5. CHECKLIST OF FLORA OF GUJARAT

Details of 2555 taxa (2320 species, 60 sub-species, 169 varieties and 6 forma) belonging to 155 families are provided in this chapter. The Families are arragened according to APG III classification. Within the family; the species are arranged in alphabetical order. For each species and infraspecific taxon the major references *viz.* Shah's Flora of Gujarat State (1978), Bole and Pathak's Flora of Saurashtra (1988) and Raghvan *et al.*'s Checklist of Flora of Gujarat State (1981) are cited with details indicating the volume number and page number. Whereas other references are indicated in the square brackets. Details of basionyms and their place of publication, morphological description, herbarium images and details of distribtuition are provided in the online version. Wherever names are updated; the synonyms (older names) are also provided for ready reference.

Nymphaeaceae Salisb.

Nymphaea nouchali Burm. f. in Fl. Indica 120. 1768; Raghavan *et al.* 5. 198; *Nymphaea stellata* Willd. in Sp. Pl. 2: 1153. 1799; Shah 58. 1978; [GEC, 1996].

Nymphaea pubescens Willd. in Sp. Pl. 2: 1154. 1799; Shah 57. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Lauraceae Juss.

Cassytha filiformis L. in Sp. Pl. 35. 1753; Shah 606. 1978; Raghavan *et al.* 76. 1981; Bole & Pathak, Fl. saurashtra 255. 1988; [GEC, 1996];

Cinnamomum verum J. Presl in Prir. Rostlin 2: 37. 1825; [Trees of Gujarat, 2008].

Litsea chinensis Lam. in Encycl. 3: 574. 1792; Raghavan *et al.* 76. 1981; [GEC, 1996].

Persea americana Mill. in Gard. Dict. ed. 8 s.p. 1768; [Trees of Gujarat, 2008].

Annonaceae Juss.

Annona cherimola Mill. in Gard. Dict. (ed. 8) no. 5. 1768; [Trees of Gujarat, 2008].

Annona muricata L. in Sp. Pl. 1: 536-537. 1753; [Trees of Gujarat, 2008].

Annona reticulata L. in Sp. Pl. 1: 537. 1753; Shah 50. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Annona squamosa L. in Sp. Pl. 1: 537. 1753; Shah 50. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Artabotrys hexapetalus (L. f.) Bhandari in Baileya 12(4): 147. 1964; Shah 51. 1978; [GEC, 1996].

Miliusa tomentosa (Roxb.) J. Sinclair in Gard. Bull. Singapore 14: 378. 1955; Shah 51. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Polyalthia cerasoides (Roxb.) Benth. & Hook. f. ex Bedd. in Fl. Sylv. S. Indiapl. 1. 1869; Shah 52. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996].

Polyalthia longifolia (Sonn.) Thwaites var. **angustifolia** [Trees of Gujarat, 2008].

Polyalthia longifolia (Sonn.) Thwaites var. **longifolia** in Enum. Pl. Zeyl. 398. 1864; Shah 52. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Polyalthia longifolia (Sonn.) Thwaites var. **pendula** [Trees of Gujarat, 2008].

Polyalthia suberosa (Roxb.) Thwaites in Enum. Pl. Zeyl. 398. 1864; [Trees of Gujarat, 2008].

Diploclisia glaucescens (Blume) Diels in Pflanzenr. IV, 94: 225. 1910; Shah 55, Raghavan *et al.* 5. 1981; [GEC, 1996]; 1978.

Magnoliaceae Juss.

!Magnolia champaca (L.) Baill. ex Pierre in Fl. Forest. Cochinch. t. 3 1880. *Michelia champaca* L. in Sp. Pl. 1: 536. 1753; Shah 49. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Magnolia grandiflora L. in Syst. Nat. (ed. 10) 2: 1082. 1759; [Trees of Gujarat, 2008].

!Magnolia mutabilis (Blume) H. J. Chowdhery & P. Danie in Indian J. Forest. 4: 64 1981. *Talauma mutabilis* Blumein in Fl. Javae 19-20: 35 . 1829; Raghavan *et al.* 4. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Myristicaceae R. Br.

Myristica fragrans Houtt. in Nat. Hist. 2(3): 333. 1774; [Trees of Gujarat, 2008].

Aristolochiaceae Juss.

Aristolochia bracteolata Lam. in Encycl. 1: 258. 1783; Shah 605. 1978; Raghavan *et al.* 76. 1981; Bole & Pathak, Fl. saurashtra 254. 1988; [GEC, 1996];

Aristolochia labiata Willd**.** in Mém. Soc. Imp. Naturalistes Moscou 2: 101. 1809; *Aristolochia brasiliensis* Mart. & Zucc. in Nov. Gen. Sp. Pl. 1(3): 77. 1824; [Patel, 2013].

Aristolochia indica L. in Sp. Pl. 960. 1753; Shah 605, Raghavan *et al.* 76. 1981; Bole & Pathak, Fl. saurashtra 254. 1988; [GEC, 1996].

Piperaceae Giseke

Peperomia pellucida (L.) Kunth in Nov. Gen. Sp. 1: 64. 1816; Shah 605, Raghavan *et al.* 76. 1981; [GEC, 1996]

Piper betle L. in Sp. Pl. 1: 28. 1753; [Patel, 2013].

Piper longum L. in Sp. Pl. 1: 29. 1753; Raghavan *et al.* 76. 1981.

Acoraceae Martinov

Acorus calamus L. in Sp. Pl. 324. 1753; Raghavan *et al.* 89. 1981; [GEC, 1996].

Alismataceae Vent.

!**Butomopsis latifolia** (D. Don) Kunth in Enum. Pl. 3: 165. 1841; *Tenagocharis latifolia* (D.Don) Buchenau in Nachr. Königl. Ges. Wiss. Georg-Augusts-Univ. 238. 1869; Shah 704. 1978; Raghavan *et al.* 90. 1981; [GEC, 1996].

Limnophyton obtusifolium (L.) Miq. in Fl. Ned. Ind. 3: 243. 1856; Shah 702. 1978; Raghavan *et al.* 90. 1981; Bole & Pathak, Fl. saurashtra 340. 1988; [GEC, 1996].

Sagittaria guayanensis subsp. **lappula** (D. Don) Bogin in Mem. New York Bot. Gard. 9: 192. 1955; Shah 703. 1978; Raghavan *et al.* 90. 1981; [GEC, 1996].

Sagittaria sagittifolia L. in Sp. Pl. 993. 1753; Shah 703. 1978; Raghavan *et al.* 90. 1981; [GEC, 1996].

Aponogetonaceae Planch.

Aponogeton natans (L.) Engl. & K. Krause in Pflanzenr. IV, 13: 11. 1906; Shah 707. 1978; Raghavan *et al.* 90. 1981; [GEC, 1996].

Araceae Juss.

!**Alocasia macrorrhizos** (L.) G. Don in Hort. Brit. ed. 3: 631. 1839; *Alocasia indica* (Lour.) Schott in Oesterr. Bot. Wochenbl. 4: 410. 1854; Raghavan *et al.* 89. 1981; [GEC, 1996].

Amorphophallus bulbifer (Roxb.) Blume in Rumphia 1: 148. 1837; [GEC, 1996; Gohil, 2006].

Amorphophallus commutatus (Schott) Engl. in Monogr. Phan. 2: 319. 1879; Shah 697. 1978; Raghavan *et al.* 89. 1981; Bole & Pathak, Fl. saurashtra 338. 1988; [GEC, 1996].

!**Amorphophallus paeoniifolius** (Dennst.) Nicolson in Taxon 26: 337. 1977; *Amorphophallus campanulatus* (Roxb.) Decne. in Nouv. Ann. Mus. Hist. Nat. 3: 366. 1834; Shah 697. 1978; Raghavan *et al.* 89. 1981; [GEC, 1996].

Amorphophallus sylvaticus (Roxb.) Kunth in Enum. Pl. 3: 34. 1841; Shah 697. 1978; [GEC, 1996]; *Synantherias sylvatica* (Roxb.) Schott in Gen. Aroid. t. 28. 1858; Raghavan *et al.* 89. 1981; [GEC, 1996].

Ariopsis peltata Nimmo in Cat. Pl. Bombay 252. 1839; [Reddy, 1987].

Arisaema murrayi (J. Graham) Hook. in Bot. Mag. 74: t. 4388. 1848; Raghavan *et al.* 89. 1981; [GEC, 1996].

Arisaema tortuosum (Wall.) Schott in Melet. Bot. 17. 1832; Shah 698. 1978; Raghavan *et al.* 89. 1981; [GEC, 1996]; *Arisaema neglectum* Schott in Bonplandia 7: 26. 1859; Shah 698. 1978; [GEC, 1996]; *Arisaema tortuosum* var. *neglectum* (Schott) Fisch. in Fl. Madras 1585. 1931; Raghavan *et al.* 89. 1981.

Colocasia esculenta (L.) Schott in Melet. Bot. 18. 1832; Shah 699. 1981; Raghavan *et al.* 89. 1981; Bole & Pathak, Fl. saurashtra 338. 1988; [GEC, 1996].

Cryptocoryne retrospiralis (Roxb.) Kunth in Enum. Pl. 3: 12. 1841; Shah 699. 1978; Raghavan *et al.* 89. 1981; [GEC, 1996].

Epipremnum aureum (Linden & Andre) G. S. Bunting in Ann. Missouri Bot. Gard. 50: 28. 1964; [Patel, 2013].

!**Lemna aequinoctialis** Welw. in Apont. 578 1859; *Lemna paucicostata* Hegelm. in Lemnac. 138. 1868; Shah 701. 1978; [GEC, 1996].

Lemna gibba L. in Sp. Pl. 970. 1753; Shah 700. 1978; Raghavan *et al.* 89. 1981; [GEC, 1996].

!**Lemna minor** L. in Sp. Pl. 970 1753; [Prajapati & Reddy, 2014]

Lemna perpusilla Torr. in Fl. New York 1: 245. 1843; Raghavan *et al.* 89. 1981; [GEC, 1996].

Lemna trisulca L. in Sp. Pl. 970. 1753; Shah 701. 1978; Raghavan *et al.* 89. 1981; Bole & Pathak, Fl. saurashtra 340. 1988; [GEC, 1996].

Monstera deliciosa Liebm. in Vidensk. Meddel. Naturhist. Foren. Kjobenhavn 1: 19. 1849.

Pistia stratiotes L. in Sp. Pl. 963. 1753; Shah 699. 1978; Raghavan *et al.* 89. 1981; Bole & Pathak, Fl. saurashtra 339. 1988; [GEC, 1996].

Remusatia vivipara (Roxb.) Schott in Melet. Bot. 18. 1832; Raghavan *et al.* 89. 1981; [GEC, 1996].

Spirodela polyrrhiza (L.) Schleid. in Linnaea 13: 392. 1839; Shah 701. 1978; Raghavan *et al.* 89. 1981; [GEC, 1996].

Typhonium bulbiferum Dalzell in Hooker's J. Bot. Kew Gard. Misc. 4: 113. 1852; [Gohil, 2006].

Typhonium flagelliforme (Lodd.) Blume in Rumphia 1: 134. 1837; [GEC, 1996; Patel *et al.*, 1985].

!**Typhonium roxburghii** Schott in Aroideae 1: 12. 1853; *Typhonium amboinense* (Rumph.) Blatt. & McCannin in J. Bombay Nat. Hist. Soc. 3: 23. 1931; Raghavan *et al.* 89. 1981; [GEC, 1996].

Typhonium trilobatum (L.) Schott in Wiener Z. Kunst 3: 72. 1829; [GEC, 1996].

!**Typhonium venosum** (Dryand. ex Aiton) Hett. & P. C. Boyce in Aroideana 23: 51. 2000; *Sauromatum venosum* (Dryand. ex Aiton) Kunth in Enum. Pl. 3: 28. 1841; Shah 700. 1978; [GEC, 1996]; *Sauromatum pedatum* (Link & Otto) Schott in Melet. Bot. 17. 1832; Raghavan *et al.* 89. 1981; Bole & Pathak, Fl. saurashtra 339. 1988; [GEC, 1996].

Wolffia arrhiza (L.) Horkel ex Wimm. in Fl. Schles. ed. 3: 140. 1857; Shah 702. 1978; Raghavan *et al.* 90. 1981; [GEC, 1996].

Wolffia microscopica (Griff.) Kurz in J. Linn. Soc., Bot. 9: 265. 1867; Shah 702. 1978; Raghavan *et al.* 90. 1981; [GEC, 1996].

Hydrocharitaceae Juss.

!**Blyxa aubertii** Rich. var. **echinosperma** (C. B. Clarke) C. D. K. Cook & Luond in Aquatic Bot. 15: 14 1983; *Blyxa echinosperma* (C.B.Clarke) Hook. f. in Fl. Brit. India 5: 661. 1888; Shah 650. 1978; Raghavan *et al.* 82. 1981; [GEC, 1996].

Blyxa octandra (Roxb.) Planch. ex Thwaites in Enum. Pl. Zeyl. 332. 1864; Shah 650. 1978; Raghavan *et al.* 82. 1981; Bole & Pathak, Fl. saurashtra 303. 1988; [GEC, 1996].

!**Enhalus acoroides** (L. f.) Royle in Ill. Bot. Himal. Mts. 1: 377. 1839; ** *Enhalus acoroides* Rich. ex Steud. in Nomencl. Bot. (ed. 2.) 1: 554. 1840; Raghavan *et al.* 82. 1981; [GEC, 1996].

Hydrilla verticillata (L. f.) Royle in Ill. Bot. Himal. Mts. t. 376. 1839; Shah 651. 1978; Raghavan *et al.* 82. 1981; Bole & Pathak, Fl. saurashtra 303. 1988; [GEC, 1996].

Najas graminea Delile in Descr. Egypte, Hist. Nat. 282. 1813; Shah 706. 1978; Raghavan *et al.* 91. 1981; Bole & Pathak, Fl. saurashtra 341. 1988; [GEC, 1996].

Najas indica (Willd.) Cham. in Linnaea 4: 501. 1829; [Pandey, 2002].

Najas kurziana Rendle in Trans. Linn. Soc. London, Bot. 5: 413. 1899; Shah 706. 1978; Raghavan *et al.* 91. 1981; [GEC, 1996].

Najas marina L. in Sp. Pl. 1015. 1753; Shah 707. 1978; Raghavan *et al.* 91. 1981; Bole & Pathak, Fl. saurashtra 342. 1988; [GEC, 1996].

Najas minor All. in Auct. Syn. Stirp. Horti Taur. 3. 1773; Shah 707. 1978; Raghavan *et al.* 91. 1981; Bole & Pathak, Fl. saurashtra 342. 1988; [GEC, 1996]; *Najas minor* var. *spinosa* Rendle in Trans. Linn. Soc. London, Bot. 5: 413. 1899; Bole & Pathak, Fl. saurashtra 342.

Najas welwitschii Rendle in Cat. Afr. Pl. 2: 95. 1899; [Meena, 2007].

Nechamandra alternifolia (Roxb. ex Wight) Thwaites in Enum. Pl. Zeyl. 332. 1864; Shah 651. 1988; Raghavan *et al.* 82. 1981; Bole & Pathak, Fl. saurashtra 304. 1988; [GEC, 1996].

Ottelia alismoides (L.) Pers. in Syn. Pl. 1: 400. 1805; Shah 651. 1978; Raghavan *et al.* 83. 1981; Bole & Pathak, Fl. saurashtra 304. 1988; [GEC, 1996].

Vallisneria spiralis L. in Sp. Pl. 1015. 1753; Shah 652. 1978; Raghavan *et al.* 83. 1981; Bole & Pathak, Fl. saurashtra 305. 1988; [GEC, 1996].

Potamogetonaceae Bercht. & J. Presl

Potamogeton crispus L. in Sp. Pl. 126. 1753; Shah 704. 1978; Raghavan *et al.* 90. 1981; [GEC, 1996].

Potamogeton nodosus Poir. in Encycl. Suppl. 4: 535. 1816; Shah 704. 1978; Raghavan *et al.* 90. 1981; Bole & Pathak, Fl. saurashtra 343. 1988; [GEC, 1996].

Potamogeton perfoliatus L. in Sp. Pl. 126. 1753; Shah 705. 1978; Raghavan *et al.* 90. 1981; Bole & Pathak, Fl. saurashtra 344. 1988; [GEC, 1996].

!**Stuckenia pectinata** (L.) Börner in Fl. Deut. Volk. 713. 1912; *Potamogeton pectinatus* L. in Sp. Pl. 127. 1753; Shah 705. 1978; Raghavan *et al.* 90. 1981; Bole & Pathak, Fl. saurashtra 343. 1988; [GEC, 1996].

!**Zannichellia palustris** L. in Sp. Pl. 969. 1753; *Zannichellia palustris* var. *pedicellata* Wahlenb. & Rosén in Nova Acta Regiae Soc. Sci. Upsal. 8: 254. 1821; Shah 708. 1978; Raghavan *et al.* 90. 1981; [GEC, 1996].

Ruppiaceae Horan.

Ruppia maritima L. in Sp. Pl. 127. 1753; Shah 708. 1978; Raghavan *et al.* 90. 1981; Bole & Pathak, Fl. saurashtra 344. 1988; [GEC, 1996].

Amaryllidaceae J. St.-Hil.

Allium cepa L. in Sp. Pl. 300. 1753; Shah 677. 1978; Raghavan *et al.* 86. 1981; Bole & Pathak, Fl. saurashtra 315. 1988; [GEC, 1996].

Allium sativum L. in Sp. Pl. 296. 1753; Shah 677. 1978; Raghavan *et al.* 86. 1981; [GEC, 1996].

Crinum asiaticum L. in Sp. Pl. 292. 1753; Shah 668. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

Crinum brachynema Herb. in Edwards's Bot. Reg. 28(Misc.): 36. 1842; Shah 668. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

Crinum latifolium L. in Sp. Pl. 291. 1753; Shah 668. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

!**Crinum lorifolium** Roxb. ex Ker Gawl. in J. Sci. Arts (London) 3: 110. 1817; *Crinum pratense* Herb. in Amaryllidaceae 256. 1837; Shah 669. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

!**Crinum viviparum** (Lam.) R. Ansari & V. J. Nair in J. Econ. Taxon. Bot. 11: 205 1987 publ. 1988. Crinum defixum Ker Gawl. in J. Sci. Arts (London) 3: 105. 1817; Shah 668. 1978; Raghavan *et al.* 85. 1981; Bole & Pathak, Fl. saurashtra 310. 1988; [GEC, 1996].

Pancratium parvum Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 144. 1850; Raghavan *et al.* 85. 1981; [GEC, 1996].

Pancratium triflorum Roxb. in Fl. Ind. ed. 1832 2: 126. 1832; Shah 669. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

Polianthes tuberosa L. in Sp. Pl. 316. 1753; Shah 671. 1978; [GEC, 1996].

!**Zephyranthes minuta** (Kunth) D. Dietr. in Syn. Pl. 2: 1176. 1840; *Zephyranthes grandiflora* Lindl. in Bot. Reg. 11: t. 902. 1825; Raghavan *et al.* 85. 1981.

Asparagaceae Juss.

Agave americana L. in Sp. Pl. 323. 1753; Shah 671. 1978; Bole & Pathak, Fl. saurashtra 312. 1988; [GEC, 1996]; *Agave ingens* A.Berger in Hortus Mortolensis 12. 1912; Shah 671. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

!**Agave cantala** (Haw.) Roxb. ex Salm-Dyck in Index Pl. Succ. Hort. Dyck. 1 1829; *Agave cantula* Roxb. in Fl. Ind. ed. 1832 2: 167. 1832; Raghavan *et al.* 85. 1981; [GEC, 1996].

Agave vera-cruz Mill. in Gard. Dict. (ed. 8) 7. 1768; [GEC, 1996]; *Agave lurida* Aiton in Hort. Kew. 1: 472. 1789; Raghavan *et al.* 85. 1981; [GEC, 1996].

!**Agave vivipara** L. in Sp. Pl. 323 1753; *Agave wightii* J.R.Drumm. & Prain in Bengal Agric. Bull. 8: 15. 1906; Shah 671. 1978; Bole & Pathak, Fl. saurashtra 312. 1988; [GEC, 1996].

Asparagus aethiopicus L. in Mant. Pl.: 1. 1770; *Asparagus sprengeri* Regel in Trudy Imp. S.-Peterburgsk. Bot. Sada 11: 302. 1890; Shah 679. 1978; [GEC, 1996].

Asparagus africanus Lam. in Encycl. 1: 295. 1783; [Pandey & Padhye, 2005].

Asparagus asiaticus L. in Sp. Pl. 313. 1753; [Meena, 2005].

Asparagus dumosus Baker in J. Linn. Soc., Bot. 14: 608. 1875; Shah 678. 1978; Raghavan *et al.* 86. 1981; Bole & Pathak, Fl. saurashtra 317. 1988; [GEC, 1996].

Asparagus gonoclados Baker in J. Linn. Soc., Bot. 14: 627. 1875; Shah 678. 1978; Raghavan *et al.* 86. 1981; Bole & Pathak, Fl. saurashtra 317. 1988; [GEC, 1996].

Asparagus racemosus Willd. in Sp. Pl. 2: 152. 1799; [Patel, 2013]; *Asparagus racemosus* Willd. var. *javanicus* (Kunth) Baker in J. Linn. Soc., Bot. 14: 624. 1875; Shah 679. 1978; Raghavan *et al.* 86. 1981; Bole & Pathak, Fl. saurashtra 318. 1988; [GEC, 1996].

!**Asparagus setaceus** (Kunth) Jessop in Bothalia 9: 51. 1966; *Asparagus plumosus* Baker in J. Linn. Soc., Bot. 14: 613. 1875; Shah 679. 1978; Raghavan *et al.* 86. 1981; [GEC, 1996].

Chlorophytum borivilianum Santapau & R. R. Fern. in J. Bombay Nat. Hist. Soc. 3: 898. 1955; Shah 680. 1978; Raghavan *et al.* 86. 1981; [GEC, 1996].

Chlorophytum malabaricum Baker in J. Linn. Soc., Bot. 15: 331. 1876; Shah 680. 1978; [GEC, 1996].

Chlorophytum tuberosum (Roxb.) Baker in J. Linn. Soc., Bot. 15: 332. 1876; Shah 680. 1978; Raghavan *et al.* 86. 1981; Bole & Pathak, Fl. saurashtra 319. 1988; [GEC, 1996].

Dipcadi erythraeum Webb & Berthel. in Hist. Nat. Iles Canaries 2(3): 341. 1848; [GEC, 1996].

Dipcadi montanum (Dalzell) Baker in J. Linn. Soc., Bot. 11: 398. 1870; Shah 681. 1978; Raghavan *et al.* 86. 1981; [GEC, 1996].

Dipcadi ursulae Blatt. var. **longiracemosum** Deb & S. Dasgupta in J. Bombay Nat. Hist. Soc. 72: 823. 1975; Bole & Pathak, Fl. saurashtra 319. 1988; [GEC, 1996].

Drimia indica (Roxb.) Jessop in J. S. African Bot. 43: 272. 1977; Raghavan *et al.* 86. 1981; *Urginea indica* (Roxb.) Kunth in Enum. Pl. 4: 333. 1843; Shah 682. 1978; Bole & Pathak, Fl. saurashtra 320. 1988; [GEC, 1996].

!**Fessia hohenackeri** (Fisch. & C. A. Mey.) Speta in Phyton (Horn) 38: 101. 1998; *Scilla hohenackeri* Fisch. & C.A.Mey in Bull. Soc. Imp. Naturalistes Moscou 11: 256. 1838; Raghavan *et al.* 86. 1981; [GEC, 1996].

Furcraea foetida (L.) Haw. in Syn. Pl. Succ. 78. 1812.

!**Ledebouria revoluta** (L. f.) Jessop in J. S. African Bot. 36: 255. 1970; *Scilla hyacinthina* (Roth) J. f. Macbr. in Contr. Gray Herb. 56: 14. 1918; Shah 682. 1978; Raghavan *et al.* 86. 1981; [GEC, 1996].

Sansevieria roxburghiana Schult. & Schult.f. in Syst. Veg. 7: 357. 1829; Raghavan *et al.* 85. 1981; [GEC, 1996].

!**Sansevieria hyacinthoides** (L.) Druce in Rep. Bot. Exch. Club Soc. Brit. Isles 3: 423. 1913 publ. 1914; *Sansevieria thyrsiflora* (Petagna) Thunb. in Prodr. Pl. Cap. 65. 1794; Shah 672. 1978; [GEC, 1996].

!**Sansevieria trifasciata** Prain in Bengal Pl. 2: 1054. 1903; *Sanseviera zylanica* Willd. in Sp. Pl. 2: 159. 1799; Bole & Pathak, Fl. saurashtra 310. 1988.

Yucca gloriosa L. in Sp. Pl. 319. 1753; Shah 672.1978; [GEC, 1996].

Hypoxidaceae R. Br.

Curculigo orchioides Gaertn. in Fruct. Sem. Pl. 1: 63. 1788; Shah 670. 1978; Raghavan *et al.* 85. 1981; Bole & Pathak, Fl. saurashtra 311. 1988; [GEC, 1996].

Hypoxis aurea Lour. in Fl. Cochinch. 200. 1790; Shah 670. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

Orchidaceae Juss.

Acampe praemorsa (Roxb.) Blatt. & McCann in J. Bombay Nat. Hist. Soc. 35: 495. 1932; Raghavan *et al.* 83. 1981; [GEC, 1996].

Aerides crispa Lindl. in Gen. Sp. Orchid. Pl. 239. 1833; Shah 653. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Aerides maculosa Lindl. in Edwards's Bot. Reg. 31: 58. 1845; Shah 653. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Conchidium filiforme (Wight) Rauschert in Feddes Repert. 94: 444. 1983; *Eria dalzellii* Lindl. in J. Proc. Linn. Soc., Bot. 3: 47. 1859; [GEC, 1996].

!**Crepidium mackinnonii** (Duthie) Szlach. in Fragm. Florist. Geobot. Suppl. 3: 128. 1995; *Malaxis mackinnonii* (Duthie) Ames in Orchidaceae 6: 289. 1920; Shah 659. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Dendrobium barbatulum Lindl. in Gen. Sp. Orchid. Pl. 84. 1830; Shah 654. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Dendrobium microbulbon A. Rich. in Ann. Sci. Nat., Bot. II, 15: 19. 1841; Shah 655. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Dendrobium ovatum (L.) Kraenzl. in Pflanzenr. IV, 50 II B 21: 71. 1910; Shah 655. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Dendrobium peguanum Lindl. in J. Proc. Linn. Soc., Bot. 3: 19. 1859; Shah 655. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

!**Eulophia dabia** (D.Don) Hochr. in Bull. New York Bot. Gard. 6: 270 1910; *Eulophia dabia* (D. Don) M. S. Balakr. in J. Bombay Nat. Hist. Soc. 67: 66. 1970; *Eulophia ramentacea* (Roxb.) Lindl. in Gen. Sp. Orchid. Pl. 185. 1833; Raghavan *et al.* 83. 1981; [GEC, 1996].

Eulophia herbacea Lindl. in Gen. Sp. Orchid. Pl. 182. 1833; Raghavan *et al.* 83. 1981; [GEC, 1996].

Eulophia ochreata Lindl. in J. Proc. Linn. Soc., Bot. 3: 24. 1859; Raghavan *et al.* 83. 1981; [GEC, 1996].

!**Eulophia spectabilis** (Dennst.) Suresh in Interpret. Van Rheede's Hort. Malab. 300. 1988; *Eulophia nuda* Lindl. in Gen. Sp. Orchid. Pl. 180. 1833; [171].

Habenaria commelinifolia (Roxb.) Wall. ex Lindl. in Gen. Sp. Orchid. Pl. 325. 1835; Shah 656. 1978; [GEC, 1996].

Habenaria digitata Lindl. in Gen. Sp. Orchid. Pl. 307. 1835; Raghavan *et al.* 83. 1981; [GEC, 1996].

!**Habenaria foliosa** A. Rich. in Ann. Sci. Nat., Bot. II, 15: 71 1841; *Habenaria gibsonii* var. *foliosa* (A. Rich.) Santapu & Kapadia in J. Bombay Nat. Hist. Soc. 56: 194. 1959; Shah 657. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996]; *Habenaria gibsonii* var. *foetida* Blatt. & McCann in J. Bombay Nat. Hist. Soc. 36: 16. 1932; Raghavan *et al.* 83. 1981; [GEC, 1996].

Habenaria furcifera Lindl. in Gen. Sp. Orchid. Pl. 319. 1835; Shah, Fl. Gujarat 2: 657. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Habenaria grandifloriformis Blatt. & McCann in J. Bombay Nat. Hist. Soc. 36: 17. 1932; Shah 657. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Habenaria longicorniculata J. Graham in Cat. Pl. Bombay 202. 1839; Shah 658. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Habenaria marginata Colebr. var. **fusifera** (Hook. f.) Santapau & Kapadia in J. Bombay Nat. Hist. Soc. 56: 199. 1959; Shah 658. 1978; Raghavan *et al.* 83. 1981; [GEC, 1996].

Habenaria marginata Colebr. var. **marginata** in Exot. Fl. t. 136. 1824; Shah 658. 1978; [GEC, 1996].

Habenaria plantaginea Lindl. in Gen. Sp. Orchid. Pl. 323. 1835; [GEC, 1996].

!**Habenaria stocksii** Hook. f. in Fl. Brit. India 6: 158. 1890; *Peristylus stocksii* (Hook. f.) Kraenzl. in Orchid. Gen. Sp. 1: 513. 1898; Shah 661. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Nervilia aragoana Gaudich. in Voy. Uranie 422. 1829; Shah 659. 1978; Raghavan *et al.* 84. 1981; Bole & Pathak, Fl. saurashtra 306. 1988; [GEC, 1996].

Nervilia plicata (Andrews) Schltr. in Jahrb. Syst. 45: 403. 1911; *Nervilia discolor* (Blume) Schltr. in Bot. Jahrb. Syst. 45: 403. 1911; Shah 660. 1978; Raghavan *et al.* 84. 1981.

Oberonia brunoniana Wight in Icon. 1978. Pl. Ind. Orient. 5: t. 1622. 1851; Raghavan *et al.* 84. 1981; [GEC, 1996].

Oberonia falconeri Hook. f. in Hooker's Icon. Pl. 18: t. 1780. 1888; Shah 660. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

!**Pecteilis susannae** (L.) Raf. in Fl. Tellur. 2: 38 1837; *Platanthera susannae* (L.) Lindl. in Gen. Sp. Orchid. Pl. 295. 1835; Shah 662. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Peristylus goodyeroides (D. Don) Lindl. in Gen. Sp. Orchid. Pl. 299. 1835; Shah 661. 1978; [GEC, 1996].

Peristylus lawii Wight in Icon. Pl. Ind. Orient. 5: t. 1695. 1851; Shah 661. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Peristylus plantagineus (Lindl.) Lindl. in Gen. Sp. Orchid. Pl. 300. 1835; Shah 661. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Rhynchostylis retusa (L.) Blume in Bijdr. 286. 1825; [GEC, 1996; Reddy & Inamdar, 1990].

Vanda tessellata (Roxb.) Hook. ex G. Don in Hort. Brit. 372. 1830; Shah 662. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Vanda testacea (Lindl.) Rchb. f. in Gard. Chron. n.s., 8: 166. 1877; Shah 663. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Vanilla planifolia Andrews in Bot. Repos. 8: t. 538. 1808; [Patel, 2013].

Zeuxine strateumatica (L.) Schltr. in Bot. Jahrb. Syst. 45: 394. 1911; Shah 663. 1978; Raghavan *et al.* 84. 1981; Bole & Pathak, Fl. saurashtra 306. 1988; [GEC, 1996].

Xanthorrhoeaceae Dumort.

!**Aloe vera** (L.) Burm. f. in Fl. Indica 83 1768. Aloe barbadensis Mill. in Gard. Dict. (ed. 8) 2. 1768; Shah 677. 1981; Raghavan *et al.* 86. 1981; Bole & Pathak, Fl. saurashtra 316. 1988; [GEC, 1996].

Asphodelus tenuifolius Cav. in Anales Ci. Nat. 3: 46. 1801; Shah 679. 1978; Raghavan *et al.* 86. 1981; Bole & Pathak, Fl. saurashtra 318. 1988; [GEC, 1996].

Burmanniaceae Blume

Vogelia indica Gibson ex Wight in Calcutta J. Nat. Hist. 7: 17. 1847; Raghavan *et al.* 48. 1981; [GEC, 1996].

Dioscoreaceae R. Br.

Dioscorea alata L. in Sp. Pl. 1033. 1753; Shah 673. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

Dioscorea belophylla Voigt in Hort. Sub.-Calc. 653. 1854; Shah 673. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

Dioscorea bulbifera L. in Sp. Pl. 1033. 1753; Shah 674. 1978; Raghavan *et al.* 85. 1981; Bole & Pathak, Fl. saurashtra 314. 1988; [GEC, 1996].

Dioscorea hispida Dennst. in Schlüssel Hortus Malab. 33. 1818; Shah 674. 1978; Raghavan *et al.* 85. 1981; Bole & Pathak, Fl. saurashtra 313. 1988; [GEC, 1996].

Dioscorea oppositifolia L. in Sp. Pl. 1033. 1753; Shah 674. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

Dioscorea pentaphylla L. in Sp. Pl. 1032. 1753; Shah 675. 1978; Raghavan *et al.* 86. 1981; Bole & Pathak, Fl. saurashtra 314. 1988; [GEC, 1996].

Dioscorea pubera Blume in Enum. Pl. Javae 1: 21. 1827; Raghavan *et al.* 86. 1981; [GEC, 1996].

Dioscorea wallichii Hook. f. in Fl. Brit. India 6: 295. 1892; Shah 675. 1978; Raghavan *et al.* 86. 1981; [GEC, 1996].

Tacca leontopetaloides (L.) Kuntze in Revis. Gen. Pl. 2: 704. 1891; Shah 672. 1978; Raghavan *et al.* 85. 1981; [GEC, 1996].

Colchicaceae DC.

Gloriosa superba L. in Sp. Pl. 305. 1753; Shah 681. 1978; Raghavan *et al.* 86. 1981; Bole & Pathak, Fl. saurashtra 320. 1988; [GEC, 1996].

Iphigenia indica (L.) A. Gray ex Kunth in Enum. Pl. 1: 213. 1833; Shah 682. 1978; Raghavan *et al.* 86. 1981; [GEC, 1996].

Smilacaceae Vent.

Smilax zeylanica L. in Sp. Pl. 1029. 1753; Shah 683. 1978; [GEC, 1996].

Pandanaceae R. Br.

!**Pandanus odorifer** (Forssk.) Kuntze in Revis. Gen. Pl. 2: 737 1891; *Pandanus odoratissimus* L. f. in Suppl. Pl. 424. 1782; Shah 695. 1978; [GEC, 1996; Trees of Gujarat, 2008]; *Pandanus fascicularis* Lam. in Encycl. 1: 372. 1785; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 335. 1988; [GEC, 1996].

Arecaceae Bercht. & J. Presl

Areca catechu L. in Sp. Pl. 1189. 1753; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 328. 1988; [Trees of Gujarat, 2008].

Borassus flabellifer L. in Sp. Pl. 1187. 1753; Shah 692. 1978; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 328. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Calamus rotang L. in Sp. Pl. 325. 1753; Shah 692. 1978; [GEC, 1996].

Caryota urens L. in Sp. Pl. 1189. 1753; Shah 693. 1978; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 329. 1988; [Trees of Gujarat, 2008].

Cocos nucifera L. in Sp. Pl. 1188. 1753; Shah 693. 1978; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 330. 1988; [GEC, 1996].

Dypsis lutescens (H. Wendl.) Beentje & J. Dransf. in Palms Madagascar 212. 1995; [Trees of Gujarat, 2008].

Elaeis guineensis Jacq. in Select. Stirp. Amer. Hist. 280. 1763; [Trees of Gujarat, 2008].

Hyphaene dichotoma (White) Furtado in Gard. Bull. Singapore 25: 301. 1970; Raghavan *et al.* 88. 1981; *Hyphaene indica* Becc. in Agric. Colon. 22: 173. 1908; Shah 693. 1978; Bole & Pathak, Fl. saurashtra 330. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Livistona chinensis (Jacq.) R. Br. ex Mart. in Hist. Nat. Palm. 3: 240. 1838; [Trees of Gujarat, 2008].

Livistona rotundifolia (Lam.) Mart. in Hist. Nat. Palm. 3: 241. 1838; [Trees of Gujarat, 2008].

Nypa fruticans Wurmb in Verh. Batav. Genootsch. Kunsten 1: 349. 1779; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 331. 1988; [GEC, 1996].

Phoenix acaulis Roxb. in Pl. Coromandel 3: 69. 1820; Raghavan *et al.* 88. 1981; [GEC, 1996].

Phoenix dactylifera L. in Sp. Pl. 1188. 1753; Shah 694. 1978; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 332. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Phoenix sylvestris (L.) Roxb. in Fl. Ind. ed. 1832 3: 787. 1832; Shah 694. 1978; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 333. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Ravenala madagascariensis Sonn. in Voy. Indes Orient. 2: 223. 1782; [Trees of Gujarat, 2008].

Roystonea oleracea (Jacq.) O. F. Cook in Bull. Torrey Bot. Club 28: 554. 1901; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 333. 1988; [GEC, 1996].

Roystonea regia (H. B. K.) O. F. Cook in Bull. Torr. Bot. Club 28 :531. 1901; Shah 694. 1978; Raghavan *et al.* 88. 1981; Bole & Pathak, Fl. saurashtra 334. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Commelinaceae Mirb.

Commelina albescens Hassk. in Beitr. Fl. Aethiop. 210. 1867; Shah 686. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 323. 1988; [GEC, 1996].

Commelina attenuata K. D. Koenig ex Vahl in Enum. Pl. 2: 168. 1805; [GEC, 1996].

Commelina benghalensis L. in Sp. Pl. 41. 1753; Shah 687. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 323. 1988; [GEC, 1996].

!**Commelina caroliniana** Walter in Fl. Carol. 68 1788; *Commelina hasskarlii* C.B.Clarke in Commelyn. Cyrtandr. Bengal. t. 5. 1874; Shah 688. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 324. 1988; [GEC, 1996].

Commelina diffusa Burm. f. in Fl. Indica 18. 1768; Shah 687. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 323. 1988; [GEC, 1996].

Commelina erecta L. in Sp. Pl. 41. 1753; Shah 687. 1978; Raghavan *et al.* 87. 1981; [GEC, 1996].

Commelina forskalaei Vahl in Enum. Pl. 2. 172. 1805; Shah 687. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 324. 1988; [GEC, 1996].

Commelina paleata Hassk. in Pl. Jungh. 139. 1852; Raghavan *et al.* 87. 1981; [GEC, 1996].

Commelina paludosa Blume in Enum. Pl. Javae 1: 2. 1827; Shah 688. 1978; Raghavan *et al.* 87. 1981; [GEC, 1996].

Commelina suffruticosa Blume in Catalogus 35. 1823; Shah 688. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 325. 1988; [GEC, 1996].

Commelina undulata R. Br. in Prodr. Fl. Nov. Holl. 270. 1810; Bole & Pathak, Fl. saurashtra 325. 1988.

!**Cyanotis axillaris** (L.) D. Don ex Sweet in Hort. Brit. 430. 1826; *Amischophacelus axillaris* (L.) R.S.Rao & Kammathy in J. Linn. Soc.. 1988. Bot. 59: 306. 1966; Shah 685. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 321. 1988; [GEC, 1996].

Cyanotis cristata (L.) D. Don in Prodr. Fl. Nepal. 46. 1825; Shah 689. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 326. 1988; [GEC, 1996].

!**Cyanotis cucullata** (Roth) Kunth in Enum. Pl. 4: 107. 1843; *Amischophacelus cucullata* (Roth) R.S.Rao & Kammathy in J. Linn. Soc., Bot. 59: 306. 1966; Shah 685. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 322. 1988; [GEC, 1996].

Cyanotis fasciculata (B. Heyne ex Roth) Schult. & Schult. f. in Syst. Veg. 7: 1152. 1830; Shah 689. 1978; Raghavan *et al.* 87. 1981; Bole & Pathak, Fl. saurashtra 327. 1988.

Murdannia nudiflora (L.) Brenan in Kew Bull. 7: 189. 1952; Shah 690. 1988; Raghavan *et al.* 87. 1981; [GEC, 1996].

Murdannia semiteres (Dalzell) Santapau in Poona Agric. Coll. Mag. 41(4): 15. 1951; Shah 690. 1978; Raghavan *et al.* 87. 1981; [GEC, 1996]; *Murdannia juncoides* (Wight) R. 1978. S. Rao & Kammathy in Bull. Bot. Surv. India 6: 3. 1965.

Murdannia simplex (Vahl) Brenan in Kew Bull. 7: 186. 1952; Raghavan *et al.* 87. 1981; [GEC, 1996].

Murdannia spirata (L.) G. Brückn. in Nat. Pflanzenfam. ed. 2 15a: 173. 1930; Raghavan *et al.* 87. 1981; [GEC, 1996].

Murdannia vaginata (L.) G. Brückn. Nat. Pflanzenfam. ed. 2 15a: 173. 1930; Raghavan *et al.* 87. 1981; [GEC, 1996].

Murdannia versicolor (Dalzell) G. Brückn. in Nat. Pflanzenfam. ed. 2 15a: 173. 1930; Raghavan *et al.* 88. 1981; [GEC, 1996].

!**Tradescantia spathacea** Sw. in Prodr. Veg. Ind. Occ. 57 1788; *Rhoeo discolor* (L'Hér.) Hancein Ann. Bot. Syst. 3: 660. 1852.

Pontederiaceae Kunth

Eichhornia crassipes (Mart.) Solms in Monogr. Phan. 4: 527. 1883; Shah 683. 1978; Raghavan *et al.* 86. 1981; [GEC, 1996].

Monochoria hastata (L.) Solms in Monogr. Phan. 4: 523. 1883; [Pandey, 2002].

Monochoria vaginalis (Burm. f.) C. Presl in Reliq. Haenk. 1: 128. 1827; Shah 684. 1978; Raghavan *et al.* 86. 1981; [GEC, 1996].

Cyperaceae Juss.

!**Actinoscirpus grossus** (L. f.) Goetgh. & D. A. Simpson var. **grossus** in Kew Bull. 46: 171. 1991; *Scirpus grossus* L. f. in Suppl. Pl. 104. 1782; Shah 755. 1978; Raghavan *et al.* 96. 1981; [GEC, 1996].

!**Actinoscirpus grossus** (L. f.) Goetgh. & D. A. Simpson var. **kysoor** (Roxb.) Noltie in Edinburgh J. Bot. 51: 173. 1994; *Scirpus grossus* var. *kysoor*. C. B. Clarkein Fl. Brit. India 6: 660. 1893; Raghavan *et al.* 96. 1981; [GEC, 1996].

Bolboschoenus glaucus (Lam.) S. G. Sm. in Novon 5: 101. 1995; *Scirpus tuberosus* Desf. in Fl. Atlant. 1: 50. 1798; Shah 758. 1978; Raghavan *et al.* 96. 1981; [GEC, 1996].

!**Bolboschoenus maritimus** (L.) Palla subsp. **affinis** (Roth) T. Koyama in Brittonia 31: 284. 1979; *Scirpus affinis* Roth in Syst. Veg. 2: 140. 1817; Shah 754. 1978; Raghavan *et al.* 96. 1981; [GEC, 1996].

Bolboschoenus maritimus (L.) Palla subsp. **maritimus** in Syn. Deut. Schweiz. Fl. ed. 3: 2532. 1905; Raghavan *et al.* 91. 1981; [GEC, 1996]; *Scirpus maritimus* L. in Sp. Pl. 51. 1753; Bole & Pathak, Fl. saurashtra 369. 1988.

!**Bolboschoenus planiculmis** (F. Schmidt) T. V. Egorova in Trudy Bot. Inst. Akad. Nauk S.S.S.R. 1988. Ser. 1, Fl. Sist. Vyssh. Rast. 3: 20. 1967; ** *Bolboschoenus planiculmis* (F. Schmidt) T. Koyama in Fl. Taiwan 5: 207. 1978; [Prasad & Singh, 1999].

Bulbostylis barbata (Rottb.) C. B. Clarke in Fl. Brit. India 6: 651. 1893; Shah 712. 1978; Raghavan *et al.* 91. 1981; [GEC, 1996].

Bulbostylis densa (Wall.) Hand. -Mazz. in Vegetationsbilder 20(7): 16. 1930; Shah 712. 1978; [GEC, 1996].

Carex fedia Nees ex R. Wight in Contr. Bot. India: 129. 1834; Shah 713. 1978; [GEC, 1996].

Carex myosurus Nees in Contr. Bot. India 122. 1834; Shah 713. 1978; [GEC, 1996].

!**Courtoisina cyperoides** (Roxb.) Soják in Cas. Nár. Mus., Odd. Prír. 148: 193. 1979. publ. 1980; ***Courtoisia cyperoides* (Roxb.) Nees in Linnaea 9: 286. 1834; Raghavan *et al.* 91. 1981; [GEC, 1996]; *Cyperus pseudokyllingioides* Kük. in Pflanzenr. IV, 20(101): 14. 1935; Shah 734. 1978; [GEC, 1996].

Cyperus alopecuroides Rottb. in Descr. Icon. Rar. Pl. 38. 1773; Shah 720. 1978; Raghavan *et al.* 91. 1981; [GEC, 1996].

Cyperus alternifolius L. subsp. **alternifolius** in Mant. Pl. 1: 28. 1767; Raghavan *et al.* 91. 1981; [GEC, 1996].

!**Cyperus alternifolius** L. subsp. **flabelliformis** Kük. in Pflanzenr. IV, 20(101): 193 1936; *Cyperus flabelliformis* Rottb. in Descr. Icon. Rar. Pl. 42. 1773; Shah 726. 1978; [GEC, 1996].

Cyperus alulatus J. Kern in Reinwardtia 1: 463. 1952; Shah 720. 1978; Raghavan *et al.* 91. 1981; Bole & Pathak, Fl. saurashtra 349. 1988; [GEC, 1996].

Cyperus arenarius Retz. in Observ. Bot. 4: 9. 1786; Shah 720. 1978; Raghavan *et al.* 91. 1981; Bole & Pathak, Fl. saurashtra 349. 1988; [GEC, 1996].

Cyperus articulatus L. in Sp. Pl. 44. 1753; Shah 721. 1978; Raghavan *et al.* 91. 1981; [GEC, 1996].

Cyperus atkinsonii C. B. Clarke in J. Linn. Soc., Bot. 21: 109. 1884; Shah 721. 1978; Raghavan *et al.* 91. 1981; [GEC, 1996].

Cyperus bulbosus Vahl in Enum. Pl. 2: 342. 1805; Shah 722. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996].

Cyperus castaneus Willd. in Sp. Pl. 1: 278. 1797; Raghavan *et al.* 92. 1981; [GEC, 1996].

Cyperus compactus Retz. in Observ. Bot. 5: 10. 1788; Shah 722. 1978; [GEC, 1996]; *Mariscus compactus* (Retz.) Bold. in Zakfl. Java 77. 1916; Raghavan *et al.* 95. 1981.

Cyperus compressus L. in Sp. Pl. 46. 1753; Shah 723. 1981; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 350. 1988; [GEC, 1996].

Cyperus conglomeratus Rottb. subsp. **conglomeratus** in Descr. Icon. Rar. Pl. 21. 1773; Shah 723. 1978; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 351. 1988; [GEC, 1996].

!**Cyperus conglomeratus** Rottb. subsp. **pachyrrhizus** (Nees) T. Koyama in Bot. Mag. (Tokyo) 93: 344. 1980; *Cyperus conglomeratus* var. *pachyrrhizus* Trim. ex Hook. f. in Fl. Ceyl. 5: 23. 1900; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 351. 1988; *Cyperus pachyrhizus* Nees ex Boeck. in Linnaea 35: 545. 1868; Shah 732. 1978; [GEC, 1996].

Cyperus corymbosus Rottb. in Descr. Icon. Rar. Pl. 42. 1773; Shah 723. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996]; *Cyperus bengalensis* Spreng. in Neue Entdeck. Pflanzenk. 3: 101. 1822; Shah 721. 1978; Bole & Pathak, Fl. saurashtra 350. 1988; [GEC, 1996].

Cyperus cyperoides (L.) Kuntze in Revis. Gen. Pl. 3(2): 333. 1898; Shah 724. 1978; [GEC, 1996]; *Mariscus sumatrensis* (Retz.) J.Raynal in Adansonia n.s., 15: 110. 1975; Raghavan *et al.* 95. 1981; *Cyperus cyperoides* var. *subcompositus* (C.B.Clarke) Kük. in Pflanzenr. IV. 20(101): 516. 1936; Shah 724. 1978; [GEC, 1996].

Cyperus difformis L. in Cent. Pl. II 6. 1756; Shah 725. 1978; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 351. 1988; [GEC, 1996].

Cyperus distans L. f. in Suppl. Pl. 103. 1782; Shah 725. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996].

!**Cyperus dives** Delile in Descr. Egypte, Hist. Nat. 149. 1813; *Cyperus exaltatus* var. *dives* (Delile) C.B.Clarke in J. Linn. Soc., Bot. 21: 187. 1884; Shah 725. 1978; Bole & Pathak, Fl. saurashtra 352. 1988; [GEC, 1996].

Cyperus dubius Rottb. in Descr. Icon. Rar. Pl. 20. 1773; *Cyperus triceps* (Rottb.) Endl. in Cat. Horti Vindob. 1: 94. 1842; Shah 737. 1978; Bole & Pathak, Fl. saurashtra 358. 1988; [GEC, 1996].

Cyperus esculentus L. in Sp. Pl. 45. 1753; Shah 725. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996].

Cyperus exaltatus Retz. in Observ. Bot. 5: 11. 1788; Shah 725. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996].

Cyperus haspan L. in Sp. Pl. 45. 1753; Shah 727. 1978; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 353. 1988; [GEC, 1996].

Cyperus iria L. in Sp. Pl. 45. 1753; Shah 728. 1978; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 353. 1988; [GEC, 1996]; *Cyperus iria* var. *paniciformis* (Franch. & Sav.) C.B.Clarke in Fl. Brit. India 6(19): 607. 1893; Shah 728. 1978; [GEC, 1996].

!**Cyperus kyllingiella** Larridon in Pl. Ecol. Evol. 144: 351. 2011; *Scirpus microcephalus* (Steud.) Dandy in Fl. Pl. Sudan 3: 366. 1956; Raghavan *et al.* 96. 1981; *Scirpus kyllingioides* (A.Rich.) Boeckeler in Linnaea 36: 733. 1870; Shah 756. 1981; Bole & Pathak, Fl. saurashtra 368. 1988; [GEC, 1996].

Cyperus laevigatus L. in Mant. Pl. 2: 179. 1771; Shah 729. 1978; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 354. 1988; [GEC, 1996].

Cyperus leucocephalus Retz. in Observ. Bot. 5: 11. 1788; Shah 729. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996].

Cyperus macer C. B. Clarke in J. Linn. Soc., Bot. 21: 160. 1884; Shah 730. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996].

Cyperus michelianus (L.) Delile subsp. **michelianus** in Descr. Egypte, Hist. Nat. 3: 50. 1813; Bole & Pathak, Fl. saurashtra 354; *Scirpus michelianus* L. in Sp. Pl. 52. 1753; Shah 757. 1988; [GEC, 1996].

Cyperus michelianus (L.) Delile subsp. **pygmaeus** (Rottb.) Asch. & Graebn. in Syn. Mitteleur. Fl. 2(2): 273. 1904; Shah 730. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996]; *Cyperus pygmaeus* Rottb. in Descr. Icon. Rar. Pl. 20. 1773; Bole & Pathak, Fl. saurashtra 356. 1988.

!**Cyperus microiria** Steud. in Syn. Pl. Glumac. 2: 23 1854; *Cyperus iria* var. *rectangularis* Kük. in Pflanzenr. IV. 1988. 20(101): 152. 1935.

Cyperus niveus Retz. in Observ. Bot. 5: 12. 1788; Shah 731. 1978; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 355. 1988; [GEC, 1996].

!**Cyperus nutans** Vahl var. **eleusinoides** (Kunth) Haines in Bot. Bihar Orissa 5: 898. 1924; Shah 731. 1978; [GEC, 1996]; *Cyperus eleusinoides* Kunth in Enum. Pl. 2: 39. 1837; Bole & Pathak, Fl. saurashtra 352. 1988; *Cyperus nutans* subsp. *eleusinoides* (Kunth) T.Koyama in Gard. Bull. Singapore 30: 136. 1977; Raghavan *et al.* 92. 1981.

Cyperus nutans Vahl var. **nutans** in Enum. Pl. 2: 363. 1805; Shah 731. 1981; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 355. 1988; [GEC, 1996].

!**Cyperus odoratus** L. in Sp. Pl. 46. 1753; *Torulinium odoratum* (L.) S.S.Hooper in Kew Bull. 26: 579. 1972; Raghavan *et al.* 96. 1981.

Cyperus pangorei Rottb. in Descr. Icon. Rar. Pl. 31. 1773; Shah 732.1978; Raghavan *et al.* 92. 1981; Bole & Pathak, Fl. saurashtra 355. 1988; [GEC, 1996].

Cyperus paniceus (Rottb.) Boeckeler in Linnaea 36: 381. 1870; Shah 732. 1978; [GEC, 1996]; *Mariscus paniceus* (Rottb.) Vahl in Enum. Pl. 2: 373. 1805; Raghavan *et al.* 95. 1981.

Cyperus papyrus L. in Sp. Pl. 47. 1753; Shah 733. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996].

Cyperus procerus Rottb. in Descr. Icon. Rar. Pl. 29. 1773; Shah 733. 1978; Raghavan *et al.* 92. 1981; [GEC, 1996].

Cyperus pulchellus R. Br. in Prodr. Fl. Nov. Holl. 213. 1810; Raghavan *et al.* 92. 1981; [GEC, 1996].

Cyperus pulcherrimus Willd. ex Kunth in Enum. Pl. 2: 35. 1837; [GEC, 1996; Patil & Sabnis, 1982].

Cyperus rotundus L. in Sp. Pl. 45. 1753; Shah 735. 1978; Raghavan *et al.* 93. 1981; Bole & Pathak, Fl. saurashtra 357. 1988; [GEC, 1996]; *Cyperus rotundus* var. *centiflorus* C.B.Clarke in J. Linn. Soc., Bot. 21: 171. 1884; [Pandey, 2002]; *cyperus rotundus* var. *retzii* Kük. in Pflanzenr. IV, 20(101): 114. 1935; [Desai, 2013]

Cyperus scariosus R. Br. in Prodr. Fl. Nov. Holl. 216. 1810; Shah 735. 1978; Bole & Pathak, Fl. saurashtra 357. 1988; [GEC, 1996].

Cyperus squarrosus L. in Cent. Pl. II 6. 1756; Shah 736. 1978; [GEC, 1996]; *Mariscus squarrosus* (L.) C.B.Clarke in Fl. Brit. India 6: 623. 1893; Raghavan *et al.* 95. 1981; Bole & Pathak, Fl. saurashtra 366. 1988.

Cyperus stoloniferus Retz. in Observ. Bot. 4: 10. 1786; Shah 736. 1988; Raghavan *et al.* 93. 1981; Bole & Pathak, Fl. saurashtra 358. 1988; [GEC, 1996].

Cyperus tenuispica Steud. in Syn. Pl. Glumac. 2: 11. 1854; Shah 736. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996].

!**Cyperus tuberosus** Rottb. in Descr. Icon. Rar. Pl. 28 1773; *Cyperus rotundus* subsp. *tuberosus* (Rottb.) Kük. in Pflanzenr. IV, 20(101): 113. 1935; Shah 735. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996].

Eleocharis acutangula (Roxb.) Schult. in Mant. 2: 91. 1824; Shah 737. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996].

Eleocharis atropurpurea (Retz.) J. Presl & C. Presl in Reliq. Haenk. 1: 196. 1828; Raghavan *et al.* 93. 1981; Bole & Pathak, Fl. saurashtra 359. 1988; ***Eleocharis atropurpurea* (Retz.) Kunth in Enum. Pl. 2: 151. 1837; Shah 738. 1988; [GEC, 1996].

Eleocharis congesta D. Don in Prodr. Fl. Nepal. 41. 1825; Shah 738. 1978; Raghavan *et al.* 93. 1981; Bole & Pathak, Fl. saurashtra 359. 1988; [GEC, 1996].

Eleocharis dulcis (Burm. f.) Trin. ex Hensch in Vita Rumphii 186. 1833; Shah 738. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996].

Eleocharis geniculata (L.) Roem. & Schult. in Syst. Veg. 2: 150. 1817; Shah 739. 1978; Raghavan *et al.* 93. 1981; Bole & Pathak, Fl. saurashtra 359. 1988; [GEC, 1996].

Eleocharis palustris (L.) Roem. & Schult. in Syst. Veg. 2: 151. 1817; Shah 739. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996].

Eriophorum comosum (Wall.) Nees in Contr. Bot. India 110. 1834; Shah 739. 1978; Raghavan *et al.* 93. 1981; Bole & Pathak, Fl. saurashtra 360. 1988; [GEC, 1996].

Fimbristylis acuminata Vahl in Enum. Pl. 2: 285. 1805; Raghavan *et al.* 93. 1981; [GEC, 1996].

Fimbristylis aestivalis (Retz.) Vahl in Enum. Pl. 2: 288. 1805; Shah 742. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996].

Fimbristylis alboviridis C. B. Clarke in Fl. Brit. India 6: 638. 1893; Shah 742. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996].

Fimbristylis argentea (Rottb.) Vahl in Enum. Pl. 2: 294. 1805; Shah 743. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996].

Fimbristylis bisumbellata (Forssk.) Bubani in Dodecanthea 30. 1850; Shah 743. 1978; Raghavan *et al.* 93. 1981; Bole & Pathak, Fl. saurashtra 361. 1988; [GEC, 1996].

Fimbristylis complanata (Retz.) Link in Hort. Berol. 1: 292. 1827; Shah 743. 1978; Raghavan *et al.* 93. 1981; Bole & Pathak, Fl. saurashtra 361. 1988; [GEC, 1996].

Fimbristylis cymosa R. Br. in Prodr. Fl. Nov. Holl. 228. 1810; Shah 744. 1978; Bole & Pathak, Fl. saurashtra 362. 1988; [GEC, 1996].

Fimbristylis dichotoma (L.) Vahl subsp. **dichotoma** in Enum. Pl. 2: 287. 1805; Shah 744. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996]; *Fimbristylis annua* var. *paucispiculata*

Blatt. & McCann in J. Bombay Nat. Hist. Soc. 37: 544. 1934; Raghavan *et al.* 93. 1981; [GEC, 1996].

!**Fimbristylis dichotoma** (L.) Vahl subsp. **podocarpa** (Nees) T. Koyama in Micronesica 1: 87. 1964; *Fimbristylis dichotoma* var. *pluristriata* (C.B.Clarke) Napper in Voy. Uranie 413. 1829; Shah 744. 1978; Raghavan *et al.* 93. 1981; [GEC, 1996].

Fimbristylis dipsacea (Rottb.) C. B. Clarke in Fl. Brit. India 6: 635. 1893; [Meena, 2004].

Fimbristylis falcata (Vahl) Kunth in Enum. Pl. 2: 239. 1837; Shah 745. 1978; Raghavan *et al.* 94. 1981; [GEC, 1996].

Fimbristylis ferruginea (L.) Vahl subsp. **ferruginea** in Enum. Pl. 2: 291. 1805; Shah 745. 1978; Raghavan *et al.* 94. 1981; [GEC, 1996].

Fimbristylis ferruginea (L.) Vahl subsp. **sieberiana** (Kunth) Lye in Nordic J. Bot. 2: 335. 1982; *Fimbristylis sieberiana* Kunth in Enum. Pl. 2: 237. 1837; Shah 748. 1978; Raghavan *et al.* 94. 1981; Bole & Pathak, Fl. saurashtra 363. 1988; [GEC, 1996].

Fimbristylis lawiana (Boeckeler) J. Kern in Reinwardtia 4: 96. 1956; Shah 745. 1978; Raghavan *et al.* 94. 1981; [GEC, 1996].

Fimbristylis littoralis Gaudich. in Voy. Uranie 413. 1829; Shah 746. 1978; [GEC, 1996].

Fimbristylis merrillii J.Kern in Blumea 8: 135. 1955; [Desai, 2013]

Fimbristylis microcarya Muell. in Fragm. 1: 200. 1859; Shah 746. 1978; Raghavan *et al.* 94. 1981; Bole & Pathak, Fl. saurashtra 362. 1988; [GEC, 1996].

Fimbristylis ovata (Burm. f.) J. Kern in Blumea 15: 126. 1967; Shah 747. 1978; Raghavan *et al.* 94. 1981; Bole & Pathak, Fl. saurashtra 363. 1988; [GEC, 1996].

Fimbristylis polytrichoides (Retz.) R. Br. in Prodr. Fl. Nov. Holl. 226. 1810; Shah 747. 1978; Raghavan *et al.* 94. 1981; [GEC, 1996].

Fimbristylis quinquangularis (Vahl) Kunth in Enum. Pl. 2: 229. 1837; Raghavan *et al.* 94. 1981; [GEC, 1996]; *Fimbristylis miliacea* (L.) Vahl in Enum. Pl. 2: 267. 1805; Shah 746. 1978; Raghavan *et al.* 94. 1981; Bole & Pathak, Fl. saurashtra 363. 1988; [GEC, 1996].

Fimbristylis schoenoides (Retz.) Vahl in Enum. Pl. 2: 286. 1805; Shah 748. 1978; Raghavan *et al.* 94. 1981; Bole & Pathak, 364. 1988; [GEC, 1996].

Fimbristylis squarrosa Vahl in Enum. Pl. 2: 289. 1805; [Meena, 2004].

Fimbristylis tenera Schult. Mant. 2: 57. 1824; Shah 748. 1978; Raghavan *et al.* 94. 1981; Bole & Pathak, 364. 1988; [GEC, 1996]; *Fimbristylis tenera* var. *oxylepis* (Steud.) C.B. Clarke in Fl. Brit. India 6: 642. 1893; Raghavan *et al.* 94. 1981.

Fimbristylis tetragona R. Br. in Prodr. Fl. Nov. Holl. 226. 1810; Shah 749. 1978; Raghavan *et al.* 94. 1981; [GEC, 1996].

Fimbristylis umbellaris (Lam.) Vahl in Enum. Pl. 2: 291. 1805.[Desai, 2013]

Fimbristylis woodrowii C. B. Clarke in Bull. Misc. Inform. Kew 1898: 227. 1898; Shah 749. 1978; Raghavan *et al.* 94. 1981; [GEC, 1996].

Fuirena ciliaris (L.) Roxb. in Hort. Bengal. 81. 1814; Shah 750. 1978; Raghavan *et al.* 94. 1981; [GEC, 1996].

Fuirena cuspidata (Roth) Kunth in Enum. Pl. 2: 187. 1837; [Pandey, 2002]; *Fuirena wallichiana* Kunth in Enum. Pl. 2: 182. 1837; [Desai & Raole, 2011].

Fuirena pubescens (Poir.) Kunth in Enum. Pl. 2: 182. 1837; Shah 750. 1978; Raghavan *et al.* 94. 1981; Bole & Pathak, 365. 1988; [GEC, 1996].

Fuirena tuwensis M. B. Deshp. & G. L. Shah in Bull. Bot. Surv. India 10: 239. 1969; Shah 751. 1978; Raghavan *et al.* 94. 1981; [GEC, 1996].

Fuirena umbellata Rottb. in Descr. Icon. Rar. Pl. 70. 1773; Shah 750. 1978; Raghavan *et al.* 94. 1981; Bole & Pathak, 365. 1988; [GEC, 1996].

Fuirena uncinata (Willd.) Kunth in Enum. Pl. 2: 184. 1837; Shah 750. 1978; Raghavan *et al.* 94. 1981; Bole & Pathak, 365. 1988; [GEC, 1996].

Kyllinga brevifolia Rottb. in Descr. Icon. Rar. Pl. 13. 1773; Raghavan *et al.* 94. 1981; *Cyperus brevifolius* (Rottb.) Hassk. in Cat. Hort. Bot. Bogor. 24. 1844; Shah 722. 1981; [GEC, 1996].

Kyllinga nemoralis (J. R. Forst. & G. Forst.) Dandy ex Hutch. & Dalziel in Fl. W. Trop. Afr. 2: 487. 1936; Raghavan *et al.* 94. 1981.

Kyllinga squamulata Vahl in Enum. Pl. 2: 381. 1805; Raghavan *et al.* 95. 1981; *Cyperus metzii* (Hochst. ex Steud.) Mattf. & Kük. in Pflanzenr. IV. 1981. 20(101): 25. 1935; Shah 730. 1978; [GEC, 1996].

Kyllinga tenuifolia Steud. in Syn. Pl. Glumac. 2: 69. 1854; Raghavan *et al.* 95. 1981.

Lipocarpha chinensis (Osbeck) J. Kern in Blumea. 1981. Suppl. 4: 167. 1958; [GEC, 1996]; *Lipocarpha argentea* (Kunth) R.Br. in Narr. Exped. Zaire 477. 1818; [Sabnis & Joshi, 1979].

!**Lipocarpha squarrosa** (L.) Goetgh. in Wageningen Agric. Univ. Pap. 89(1): 71. 1989; *Scirpus squarrosus* L. in Mant. Pl. 2: 181. 1771; Shah 757. 1978; [GEC, 1996]; *Rikliella squarrosa* (L.) J.Raynal in Adansonia n.s., 13: 154. 1973; Raghavan *et al.* 96. 1981.

Pycreus diaphanus (Schrad. ex Roem. & Schult.) S. S. Hooper & T. Koyama in J. Jap. Bot. 51: 316. 1976; Raghavan *et al.* 95. 1981; *Cyperus diaphanus* Schrad. ex Roem. & Schult. in Mant. 2: 477. 1824; Shah 724. 1978; [GEC, 1996].

!**Pycreus dwarkensis (**K. C. Sahni & H. B. Naithani) S. S. Hooper in Kew Bull. 40: 467. 1985; *Cyperus dwarkensis* K.C.Sahni & H.B.Naithani in Indian Forester 102(6): 357. (1976); Raghavan *et al.* 92. 1981.

!**Pycreus flavescens** (L.) P. Beauv. ex Rchb. in Fl. Germ. Excurs. 72 1830; *Cyperus flavescens* L. in Sp. Pl. 46. 1753; Shah 726. 1981; [GEC, 1996].

Pycreus flavidus (Retz.) T. Koyama var. **flavidus** in J. Jap. Bot. 51(10): 316. 1976; Raghavan *et al.* 95. 1981; *Cyperus flavidus* Retz. in Observ. Bot. 5: 13. 1788; Shah 726. 1978; [GEC, 1996]; *Cyperus globosus* All. in Fl. Pedem. 1: 49. 1785; Raghavan *et al.* 92. 1981; [GEC, 1996].

!**Pycreus flavidus** (Retz.) T. Koyama var. **strictus** (C. B. Clarke) Karthik. in S. Karthikeyan & al. . 1978. Fl. Ind. Enumerat. - Monocot. : 65. (1989); *Cyperus flavidus* var. *strictus* (C.B.Clarke) Korlah. in Bull. Bot. Surv. India 9(1-4): 237. 1968; Shah 727. 1978; [GEC, 1996].

Pycreus malabaricus C. B. Clarke in J. Linn. Soc., Bot. 34: 12. 1898; Raghavan *et al.* 95. 1981; *Cyperus malabaricus* (C.B.Clarke) T.Cooke in Fl. Bombay 2: 856. 1908; Shah 729. 1978; [GEC, 1996].

!**Pycreus membranaceus** (Vahl) Govind. in Proc. Indian Acad. Sci.. 1978. Pl. Sci. 100: 424. 1990; *Cyperus pumilus* L.var. *membranaceus* (Vahl) kuekenth in Engler, Pfreich. 101. 376. 1936; Shah 734. 1978; [GEC, 1996].

!**Pycreus polystachyos** (Rottb.) P. Beauv. var. **microdontus** (Torr.) Govaerts in World Checklist Cyperaceae 610. 2007; *Cyperus polystachyos* var. *laxiflorus* Benth. in Fl. Austral. 7: 261. 1878; Shah 733. 1978; [GEC, 1996].

Pycreus polystachyos (Rottb.) P. Beauv. var. **polystachyos** in Fl. Oware 2: 48. 1816; Raghavan *et al.* 95. 1981; *Cyperus polystachyos* Rottb. in Descr. Icon. Rar. Pl. 39. 1773; Shah 733. 1978; [GEC, 1996].

Pycreus pumilus (L.) Nees in Linnaea 9: 283. 1834; Raghavan *et al.* 95. 1981; Bole & Pathak, 367; *Cyperus pumilus* L. in Cent. Pl. II 6. 1756; Shah 734. 1978; [GEC, 1996].

Pycreus sanguinolentus (Vahl) Nees in Linnaea 9: 283. 1834; Raghavan *et al.* 95. 1981; *Cyperus sanguinolentus* Vahlin Enum. Pl. 2: 351. 1805; Shah 735. 1978; [GEC, 1996].

Pycreus stramineus C. B. Clarke in Fl. Brit. India 6: 589. 1893; [Pandey, 2002].

Queenslandiella hyalina (Vahl) Ballard in Hooker's Icon. Pl. 33: t. 3208. 1933; Raghavan *et al.* 96. 1981; *Cyperus hyalinus* Vahl in Enum. Pl. 2: 320. 1805; Shah 727. 1978; [GEC, 1996].

Remirea maritima Aubl. in Hist. Pl. Guiane 1: 45. 1775; Shah 751. 1978; [GEC, 1996].

!**Rhynchospora colorata** (L.) H. Pfeiff. in Repert. Spec. Nov. Regni Veg. 38: 89 1935; *Cyperus kyllingia* Endl. in Cat. Horti Vindob. 1: 94. 1842; Shah 728. 1978; [GEC, 1996].

Rhynchospora rugosa (Vahl) Gale in Rhodora 46: 275. 1944; *Rhynchospora glauca* Vahl in Enum. Pl. 2: 233. 1805; Shah 751. 1978; [GEC, 1996].

Rhynchospora wightiana (Nees) Steud. in Syn. Pl. Glumac. 2: 148. 1855; Shah 752. 1978; Raghavan *et al.* 96. 1981; [GEC, 1996].

!**Schoenoplectiella articulata** (L.) Lye in Lidia 6: 20 2003; *Scirpus articulatus* L. in Sp. Pl. 47. 1753; Shah 754. 1978; Raghavan *et al.* 96. 1981; [GEC, 1996].

!**Schoenoplectiella juncoides** (Roxb.) Lye in Lidia 6: 25. 2003; *Scirpus juncoides* Roxb. in Fl. Ind. 1: 218. 1820; Shah 755. 1978; [GEC, 1996].

!**Schoenoplectiella mucronata** (L.) J.Jung & H.K.Choi in J. Pl. Biol. 53(3): 230 2010; *Schoenoplectus mucronatus* (L.) Palla in Bot. Jahrb. Syst. 10: 299 1888; *Scirpus triangulatus* Roxb. in Fl. Ind. 1: 219. 1820; Shah 758. 1978; [GEC, 1996]; *Scirpus mucronatus* L. in Sp. Pl. 50. 1753; Raghavan *et al.* 96. 1981.

!**Schoenoplectiella lateriflora** (J. f. Gmel.) Lye in Lidia 6: 25 2003; *Scirpus supinus* var. *lateriflorus* (J. f.Gmel.) T.Koyama in J. Fac. Sci. Univ. Tokyo, Sect. 3, Bot. 7: 302. 1958; Bole & Pathak, 370. 1988; *Scirpus lateriflorus* J. f.Gmel. in Syst. Nat. 2: 127. 1791; Shah 756. 1978; Raghavan *et al.* 96. 1981; [GEC, 1996].

!**Schoenoplectiella roylei** (Nees) Lye in Lidia 6: 26 2003; *Scirpus roylei* (Nees) R.Parker in Fl. Gangetic Plain 3: 361. 1929; Shah 757. 1978; Raghavan *et al.* 96. 1981; Bole & Pathak, 370. 1988.

Schoenoplectiella senegalensis (Steud.) Lye in Lidia 6: 27. 2003; *Scirpus jacobi* C.E.C.Fisch. in Bull. Misc. Inform. Kew 103. 1931; Shah 755. 1978; Raghavan *et al.* 96. 1981; [GEC, 1996].

!**Schoenoplectus corymbosus** (Roth ex Roem. & Schult.) J. Raynal in Cat. Pl. Vasc. Niger 343 1976; *Scirpus brachyceras* Hochst. ex A.Rich. in Tent. Fl. Abyss. 2: 496. 1850; Shah 754. 1978; Raghavan *et al.* 96. 1981; [GEC, 1996].

!**Schoenoplectus litoralis** (Schrad.) Palla in Bot. Jahrb. Syst. 10: 299 1888; *Scirpus littoralis* Schrad. in Fl. Germ. 1: 142, pl. 5,f. 7. 1806; Raghavan *et al.* 96. 1981; Bole & Pathak, 368. 1988.

!**Schoenoplectus litoralis** subsp. **thermalis** (Trab.) S.S.Hooper in Fl. Hassan Distr. 698. 1976; *Schoenoplectus subulatus* (Vahl) Lye in Bot. Not. 124: 290 1971; *Scirpus litoralis* var. *subulatus* (Vahl) Chiov. in Pl. Nov. Minus Not. Aethiopia 15. 1928; Shah 756. 1978; Bole & Pathak, 369. 1988; [GEC, 1996].

Scleria annularis (Nees) Kunth. in Enum. 2: 359. 1837; Raghavan *et al.* 96. 1981; [GEC, 1996].

Scleria biflora Roxb. in Fl. Ind. ed. 1832 3: 573. 1832.

Scleria lithosperma (L.) Sw. in Prodr. Veg. Ind. Occ. 18. 1788; [Meena & Pandey, 2011].

Scleria parvula Steud. in Syn. Pl. Glumac. 2: 174. 1855; Shah 758. 1978; [GEC, 1996].

Scleria stocksiana Boeckeler in Linnaea 38: 474. 1874; Shah 759. 1978; Raghavan *et al.* 96. 1981; [GEC, 1996].

Scleria tessellata Willd. in Sp. Pl. 4: 315. 1805; Raghavan *et al.* 96. 1981; [GEC, 1996].

Cenchrus rajasthanensis Kanodia & P. C. Nanda in Geobios 5: 157. 1978; [Pandey *et al.*, 2012].

!**Ischaemum conjugatum** Roxb. in Fl. Ind. 1: 321 1820.

!**Leersia hexandra** Sw. Prodr. in Veg. Ind. Occ. 21 1788; [Desai & Raole, 2012].

Panicum nehruense Jauhar & Joshi in Bull. Bot. Surv. India 7: 97. 1966; [Pandey *et al.*, 2012].

Spodiopogon aristatus R. J. Desai & Raole in Kew Bull. 67(1): 103. 2012.

Eriocaulaceae Martinov

Eriocaulon achiton Körn. Linnaea 27: 630. 1856; Shah 709. 1978; [GEC, 1996].

Eriocaulon cinereum R. Br. in Prodr. Fl. Nov. Holl. 254. 1810; Raghavan *et al.* 91. 1981; [GEC, 1996; Patil & Sabnis, 1982].

Eriocaulon cuspidatum Dalzell in Hooker's J. Bot. Kew Gard. Misc. 3: 281. 1851; Raghavan *et al.* 91. 1981; [GEC, 1996].

Eriocaulon elenorae Fyson in J. Indian Bot. 2: 316. 1921; Shah 710. 1978; Raghavan *et al.* 91. 1981; [GEC, 1996].

Eriocaulon eurypeplon Körn. in Linnaea 27: 685. 1856; [Pandey, 2002].

!**Eriocaulon heterolepis** Steud. in Syn. Pl. Glumac. 2: 271. 1855; *Eriocaulon dianae* var. *longibracteatum* Fyson in J. Indian Bot. 2: 259. 1921; Shah 709. 1978; Raghavan *et al.* 91. 1981; Bole & Pathak, 345. 1988; [GEC, 1996]; *Eriocaulon dianae* Fyson in J. Indian Bot. 2: 259. 1921; Shah 709. 1978; Raghavan *et al.* 91. 1981; [GEC, 1996].

Eriocaulon quinquangulare L. in Sp. Pl. 87. 1753; Shah 710. 1978; Raghavan *et al.* 91. 1981; [GEC, 1996].

!**Eriocaulon richardianum** (Fyson) R. Ansari & N. P. Balakr. in Eriocaul. India 51. 1994; *Eriocaulon dianae* var. *richardianum* Fyson in J. Indian Bot. 2: 260. 1921; [Koshy & Shah, 1985].

Eriocaulon sollyanum Royle in Ill. Bot. Himal. Mts. 409, t. 97,f. 1. 1840; Shah 711. 1978; Raghavan *et al.* 91. 1981; Bole & Pathak, 345. 1988; [GEC, 1996].

Eriocaulon truncatum Buch. -Ham. ex Mart. in Pl. Asiat. Rar. 3: 29. 1832; Shah 711. 1978; Raghavan *et al.* 91. 1981; Bole & Pathak, 346. 1988; [GEC, 1996].

Juncaceae Juss.

Juncus bufonius L. in Sp. Pl. 328. 1753; Shah 691. 1978; Raghavan *et al.* 88. 1981; [GEC, 1996].

Juncus maritimus Lam. in Encycl. 3: 264. 1789; Shah 691. 1978; Raghavan *et al.* 88. 1981; Bole & Pathak, 346. 1988; [GEC, 1996].

Juncus prismatocarpus R. Br. in Prodr. Fl. Nov. Holl. 1: 259. 1810; [GEC, 1996].

Poaceae Barnhart

Acrachne racemosa (Heyne ex Roth) Ohwi in Bull. Tokyo Sci. Mus. 18: 1. 1947; Shah 775. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 382. 1988; [GEC, 1996];

Aeluropus lagopoides (L.) Trin. ex Thwaites in Enum. Pl. Zeyl. 374. 1864; Shah 775. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 383. 1988; [GEC, 1996].

Alloteropsis cimicina (L.) Stapf in Fl. Trop. Afr. 9: 487. 1919; Shah 775. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 383. 1988; [GEC, 1996].

Andropogon pumilus Roxb. in Fl. Ind. 1: 277. 1820; Shah 776. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 384. 1988; [GEC, 1996].

Apluda mutica L. in Sp. Pl. 82. 1753; Shah 776. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 384. 1988; [GEC, 1996].

Apocopis vaginatus Hack. Oesterr. Bot. Z. 41: 8. 1891; Shah 777. 1978; Raghavan *et al.* 97. 1981; [GEC, 1996].

Aristida adscensionis L. in Sp. Pl. 82. 1753; Shah 778. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 386. 1988; [GEC, 1996]; *Aristida depressa* Retz. in Observ. Bot. 4: 22. 1786; Shah 779. 1978; Raghavan *et al.* 97. 1981; [GEC, 1996].

Aristida cyanantha Steud. in Syn. Pl. Glumac. 1: 141. 1854; Shah 778. 1978; Raghavan *et al.* 97. 1981; [GEC, 1996].

Aristida funiculata Trin. & Rupr. in Sp. Gram. Stipac. 159. 1842; Shah 779. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 386. 1988; [GEC, 1996]; *Aristida royleana* Trin. & Rupr. in Sp. Gram. Stipac. 160. 1842; Shah 780. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 387. 1988; [GEC, 1996].

Aristida hystricula Edgew. in J. Proc. Linn. Soc., Bot. 6: 208. 1862; Shah 779. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 387. 1988; [GEC, 1996].

Aristida hystrix L. f. in Suppl. Pl. 113. 1782; Shah 780. 1978; Raghavan *et al.* 97. 1981; [GEC, 1996].

Aristida mutabilis Trin. & Rupr. in Sp. Gram. Stipac. 150. 1842; Raghavan *et al.* 97. 1981; [GEC, 1996].

Aristida redacta Stapf in Bull. Misc. Inform. Kew 85. 1892; Shah 780. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 387. 1988; [GEC, 1996].

Aristida setacea Retz. in Observ. Bot. 4: 22. 1786; Shah 781. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 388. 1988.

Arthraxon cuspidatus (Hochst. ex A. Rich.) Hochst. ex Hack. in Monogr. Phan. 6: 353. 1889; [GEC, 1996].

Arthraxon hispidus (Thunb.) Makino in Bot. Mag. 26: 214. 1912; Shah 782. 1988; Raghavan *et al.* 97. 1981; [GEC, 1996]; *Arthraxon quartinianus* (A.Rich.) Nash in N. Amer. Fl. 17: 99. 1912; Shah 784. 1978; Raghavan *et al.* 98. 1981; [GEC, 1996].

Arthraxon inermis Hook. f. in Fl. Brit. India 7: 145. 1896; Shah 782. 1978; Raghavan *et al.* 97. 1981; [GEC, 1996].

Arthraxon lanceolatus (Roxb.) Hochst. in Flora 39: 188. 1856; Raghavan *et al.* 97. 1981; Bole & Pathak, 389. 1988; [GEC, 1996].

Arthraxon lancifolius (Trin.) Hochst. in Flora 39: 188. 1856; Shah 783. 1978; Raghavan *et al.* 97. 1981; Bole & Pathak, 389. 1988; [GEC, 1996]; *Arthraxon lancifolius* var. *hindustanicus* S.K.Jain & Deshp. in J. Indian Bot. Soc. 51: 176. 1972; Raghavan *et al.* 97. 1981.

Arthraxon meeboldii Stapf in Bull. Misc. Inform. Kew 1908: 449. 1908; Shah 783. 1978; Raghavan *et al.* 98. 1981; [GEC, 1996].

Arthraxon prionodes (Steud.) Dandy in Fl. Pl. Sudan 3: 399. 1956; Shah 784. 1978; Raghavan *et al.* 98. 1981; Bole & Pathak, 389. 1988; [GEC, 1996].

Arundinella ciliata (Roxb.) Nees ex Miq. in Nieuwe Verh. Eerste Kl. Kon. Ned. Inst. Wetensch. Amsterdam III, 4: 30. 1851; Raghavan *et al.* 98. 1981; [GEC, 1996].

Arundinella holcoides (Kunth) Trin. in Bull. Sci. Acad. Imp. Sci. Saint-Pétersbourg 1: 71. 1836; Raghavan *et al.* 98. 1981; [GEC, 1996].

Arundinella leptochloa (Steud.) Hook. f. in Fl. Brit. India 7: 76. 1896; Shah 785. 1978; Raghavan *et al.* 98. 1981; Bole & Pathak, 390. 1988; [GEC, 1996]; *Arundinella lawii* Hook. f. in Handb. Fl. Ceylon 5: 180. 1900; [GEC, 1996].

Arundinella metzii Hochst. ex Miq. in Nieuwe Verh. Eerste Kl. Kon. Ned. Inst. Wetensch. Amsterdam III, 4: 31. 1851; Shah 785. 1978; Raghavan *et al.* 98. 1981; [GEC, 1996].

Arundinella pumila (Hochst.) in Steud. Syn. Pl. Glumac. 1: 114. 1854; Shah 786. 1978; Raghavan *et al.* 98. 1981; Bole & Pathak, 391. 1988; [GEC, 1996].

Arthraxon castratus (Griff.) V.Naray. ex Bor in Fl. Assam 5: 376 1940. *Arthraxon rudis* (Steud.) Hochst. Flora 39: 188. 1856; [Desai, 2013]

Arundinella setosa Trin. in Gram. Panic. 63. 1826; Shah 786. 1978; Raghavan *et al.* 98. 1981; Bole & Pathak, 392. 1988; [GEC, 1996].

Arundinella tuberculata Munro ex Lisboa in List Bombay Grasses 29. 1897; Shah 786. 1978; Raghavan *et al.* 98. 1981; Bole & Pathak, 392. 1988; [GEC, 1996].

Arundo donax L. in Sp. Pl. 81. 1753; Shah 787. 1978; Raghavan *et al.* 98. 1981; [GEC, 1996].

Avena sativa L. in Sp. Pl. 79. 1753; Raghavan *et al.* 98. 1981.

Avena sterilis L. var. **culta** Raizada in Indian Forester 80(1): 36. 1954; [GEC, 1996].

Avena sterilis L. var. **sterilis** in Sp. Pl. ed. 2 118. 1762; Shah 787. 1978.

!**Bambusa bambos** (L.) Voss in Vilm. Blumengärtn. ed. 3 1: 1189 1895; *Bambusa arundinacea* Willd. in Sp. Pl. 2: 245. 1799; Shah 787. 1978; Raghavan *et al.* 98. 1981; Bole & Pathak, 392. 1988; [GEC, 1996; Trees of Gujarat, 2008].

!**Bothriochloa bladhii** (Retz.) S. T. Blake in Proc. Roy. Soc. Queensland 80: 62. 1969; *Dichanthium glabrum* (Roxb.) S.K.Jain & Deshp. in Bull. Bot. Surv. India 20: 134. 1979; Raghavan *et al.* 101. 1981; [GEC, 1996]; *Bothriochloa intermedia* (R.Br.) A.Camus in Ann. Soc. Linn. Lyon n.s., 76: 164. 1930; Shah 789. 1978; Bole & Pathak, 393. 1988; [GEC, 1996]; *Bothriochloa glabra* (Roxb.) A.Camus in Ann. Soc. Linn. Lyon n.s., 76: 164. 1930; Shah 788. 1978; [GEC, 1996].

Bothriochloa ischaemum (L.) Keng in Contr. Biol. Lab. Sci. Soc. China, Bot. Ser. 10: 201. 1936; Shah 789. 1978; Bole & Pathak, 394. 1988; [GEC, 1996]; *Dichanthium ischaemum* (L.) Roberty in Monogr. Syst. Andropog. du Globe 160. 1960; Raghavan *et al.* 101. 1981; [GEC, 1996].

Bothriochloa pertusa (L.) A. Camus in Ann. Soc. Linn. Lyon n.s., 76: 164. 1931; Shah 790. 1978; Bole & Pathak, 395. 1988; [GEC, 1996]; *Dichanthium pertusum* (L.) Clayton in Kew Bull. 32: 4. 1977; Raghavan *et al.* 101. 1981.

Brachiaria distachya (L.) Stapf in Fl. Trop. Afr. 9: 565. 1919; Shah 791.1978; Raghavan *et al.* 98. 1981; [GEC, 1996].

Brachiaria eruciformis (Sm.) Griseb. in Fl. Ross. 4: 469. 1853; Shah 791. 1978; Raghavan *et al.* 98. 1981; Bole & Pathak, 396. 1988; [GEC, 1996].

!**Brachiaria lata** (Schumach.) C. E. Hubb. in Hooker's Icon. Pl. 34: t. 3363 1938; *Brachiaria lata* var. *pubescens* C.E.Hubb. in Kew Bull. 4: 125. 1949; [Pandey, 2002].

Brachiaria mutica (Forssk.) Stapf in Fl. Trop. Afr. 9: 526. 1919; Shah 791. 1978; Raghavan *et al.* 98. 1981; [GEC, 1996].

Brachiaria ramosa (L.) Stapf in Fl. Trop. Afr. 9: 542. 1919; Shah 792. 1978; Raghavan *et al.* 98. 1981; Bole & Pathak, 396. 1988; [GEC, 1996].

Brachiaria reptans (L.) C. A. Gardner & C. E. Hubb. in Hooker's Icon. Pl. 34: t. 3363. 1938; Shah 792. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 397. 1988; [GEC, 1996].

Brachiaria villosa (Lam.) A. Camus in Fl. Indo-Chine 7: 433. 1922; [Pandey, 2001].

Capillipedium assimile (Steud.) A. Camus in Fl. Indo-Chine 7: 314. 1922; Shah 793. 1978; [GEC, 1996]; *Dichanthium assimile* (Steud.) Deshp. in Fasc. Fl. India 15: 6. 1984; Raghavan *et al.* 101. 1981.

Capillipedium filiculme (Hook. f.) Stapf in Hooker's Icon. Pl. 31: t. 3085. 1922; Shah 794. 1981; Bole & Pathak, 398. 1988; [GEC, 1996]; *Dichanthium filiculme* (Hook. f.) S.K.Jain & Deshp. in Bull. Bot. Surv. India 20: 134. 1979; Raghavan *et al.* 101. 1981.

!**Capillipedium huegelii** (Hack.) A. Camus in Rev. Bot. Appl. Agric. Colon. 1: 306 1921; ** *Capillipedium hugelii* (Hack.) Stapf in Rev. Bot. Appl. Agric. Colon. 1: 306. 1921; Shah 794. 1978; [GEC, 1996]; *Dichanthium huegelii* (Hack.) S.K.Jain & Deshp. in Bull. Bot. Surv. India 20: 135. 1978. publ. 1979; Raghavan *et al.* 101. 1981.

Capillipedium parviflorum (R. Br.) Stapf in Fl. Trop. Afr. 9: 169. 1917; Shah 794. 1981; [GEC, 1996]; *Dichanthium parviflorum* (R.Br.) de Wet & Harlan in Amer. J. Bot. 53: 97. 1966; Raghavan *et al.* 101.

Cenchrus biflorus Roxb. in Fl. Ind. 1: 238. 1820; Shah 795.1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 399. 1988; [GEC, 1996].

Cenchrus ciliaris L. in Mant. Pl. 2: 302. 1771; Shah 796. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 399. 1988; [GEC, 1996].

Cenchrus pennisetiformis Hochst. & Steud. in Nomencl. Bot. (ed. 2) 1: 317. 1840; Shah 796. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 400. 1988; [GEC, 1996].

Cenchrus setigerus Vahl in Enum. Pl. 2: 395. 1806; Shah 796. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 401. 1988; [GEC, 1996].

Chionachne koenigii (Spreng.) Thwaites in Enum. Pl. Zeyl. 357. 1864; Shah 797. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 401. 1988; [GEC, 1996].

Chloris barbata Sw. in Fl. Ind. Occid. 1: 200. 1797; Shah 798. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 402. 1988; [GEC, 1996].

Chloris gayana Kunth in Révis. Gramin. 1: 89. 1829; Raghavan *et al.* 99. 1981; [GEC, 1996].

Chloris montana Roxb. in Fl. Ind. 1: 331. 1820; Shah 799. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 403. 1988; [GEC, 1996].

Chloris quinquesetica Bhide in J. Proc. Asiat. Soc. Bengal 8: 311. 1912; Shah 799. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 404. 1988; [GEC, 1996].

Chloris virgata Sw. in Fl. Ind. Occid. 1: 203. 1797; Shah 799. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 404. 1988; [GEC, 1996].

Chrysopogon aciculatus (Retz.) Trin. in Fund. Agrost. 188. 1820; Shah 800. 1978; Raghavan *et al.* 99. 1981; [GEC, 1996].

Chrysopogon aucheri (Boiss.) Stapf in Bull. Misc. Inform. Kew 1907: 211. 1907; Shah 801. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 405. 1988; [GEC, 1996].

Chrysopogon fulvus (Spreng.) Chiov. in Fl. Somala 1: 327. 1929; Shah 801. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 405. 1988; [GEC, 1996].

Chrysopogon polyphyllus (Hack.) Blatt. & McCann in J. Bombay Nat. Hist. Soc. 32: 416. 1928; Shah 801. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 406. 1988; [GEC, 1996].

Chrysopogon serrulatus Trin. in Mém. Acad. Imp. Sci. St.-Pétersbourg, Sér. 6, Sci. Math. 2: 318. 1833; Shah 802. 1978; Raghavan *et al.* 100. 1981; [GEC, 1996].

!**Chrysopogon zizanioides** (L.) Roberty in Bull. Inst. Franç. Afrique Noire, A 22: 106 1960; *Vetiveria zizanioides* (L.) Nash in Fl. S.E. U.S. 67. 1903; Shah 882. 1978; Raghavan *et al.* 111. 1981; Bole & Pathak, 482. 1988; [GEC, 1996].

Cleistachne sorghoides Benth. in Hooker's Icon. Pl. 14: t. 1379. 1882; Shah 802. 1978; Raghavan *et al.* 100. 1981; [GEC, 1996].

!**Coelorachis clarkei** (Hack.) Blatt. & McCann in J. Bombay Nat. Hist. Soc. 32: 33. 1927; *Manisuris clarkei* (Hack.) Borin in Rec. Bot. Surv. India 16: 357. 1953; Shah 842. 1978; Raghavan *et al.* 105. 1981; [GEC, 1996].

Coix aquatica Roxb. in Fl. Ind. ed. 1832 3: 571. 1832; [Desai & Raole, 2011].

Coix lacryma-jobi L. in Sp. Pl. 972. 1753; Shah 802. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 406. 1988; [GEC, 1996].

Crypsis schoenoides (L.) Lam. in Tabl. Encycl. 1: 166. 1791; Shah 803. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 407. 1988; [GEC, 1996].

Cymbopogon caesius (Nees ex Hook. & Arn.) Stapf in Bull. Misc. Inform. Kew 1906: 341. 1906; Shah 804. 1978; Raghavan *et al.* 100. 1981; [GEC, 1996].

Cymbopogon citratus (DC.) Stapf in Bull. Misc. Inform. Kew 1906: 322. 1906; Shah 805. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 408. 1988; [GEC, 1996].

Cymbopogon commutatus (Steud.) Stapf in Bull. Misc. Inform. Kew 1929: 10. 1929; *Cymbopogon parkeri* Stapf in Bull. Misc. Inform. Kew 1929: 10. 1929; Shah 806. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 410. 1988; [GEC, 1996].

Cymbopogon gidarba (Buch. -Ham. ex Steud.) A. Camus in Bull. Mus. Natl. Hist. Nat. 26: 562. 1920; Shah 805. 1978; Raghavan *et al.* 100. 1981; [GEC, 1996].

Cymbopogon jwarancusa (Jones) Schult. subsp. **jwarancusa** in Mant. 2: 458. 1824; Shah 805. 1978; Raghavan *et al.* 100. 1981; [GEC, 1996].

Cymbopogon jwarancusa (Jones) Schult. subsp. **olivieri** (Boiss.) Soenarko in Notes Roy. Bot. Gard. Edinburgh 25: 62. 1963. Cymbopogon olivieri (Boiss.) Borin in Notes Roy. Bot. Gard. Edinburgh 25: 62. 1963; Shah 806. 1978; [GEC, 1996].

Cymbopogon martini (Roxb.) W. Watson in Gaz. N. W. Ind. 392. 1882; Shah 806. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 409. 1988; [GEC, 1996].

Cymbopogon schoenanthus (L.) Spreng. in Pl. Min. Cogn. Pug. 2: 15. 1815; Shah 807. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 411. 1988; [GEC, 1996].

Cynodon barberi Rang. & Tadul. in J. Bombay Nat. Hist. Soc. 24: 846. 1916; Shah 807. 1978; [GEC, 1996].

Cynodon dactylon (L.) Pers. in Syn. Pl. 1: 85. 1805; Shah 808. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 411. 1988; [GEC, 1996].

!**Dactyloctenium aegyptium** (L.) Willd. in Enum. Pl. 1029 1809; ** *Dactyloctenium aegyptium* (L.) P. Beauv. in Ess. Agrostogr. 15, 72, 159, pl. 15,f. 2. 15. 1812; Shah 808. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 412. 1988; [GEC, 1996].

Dactyloctenium aristatum Link in Hort. Berol. 1: 59. 1827; Raghavan *et al.* 100. 1981; [GEC, 1996; Pandey, 2005].

Dactyloctenium scindicum Boiss. in Diagn. Pl. Orient. II, 4: 131. 1859; Shah 809. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 413. 1988; [GEC, 1996].

Dendrocalamus strictus (Roxb.) Nees in Linnaea 9: 476. 1835; Shah 809. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 413. 1988; [GEC, 1996; Trees of Gujarat, 2008]; *Bambusa stricta* (Roxb.) Roxb. in Fl. Ind. (ed. 2) 193. 1832; [Trees of Gujarat, 2008].

Desmostachya bipinnata (L.) Stapf in Fl. Cap. 7: 632. 1900; Shah 809. 1978; Raghavan *et al.* 100. 1981; Bole & Pathak, 414. 1988; [GEC, 1996].

Desmostachya pingalaiae Raole & R. J. Desai in Nordic J. Bot. 26: 196. 2008.

Dichanthium annulatum (Forssk.) Stapf in Fl. Trop. Afr. 9: 178. 1917; Shah 810. 1978; Raghavan *et al.* 101. 1981; Bole & Pathak, 415. 1988; [GEC, 1996].

Dichanthium aristatum (Poir.) C. E. Hubb. in Bull. Misc. Inform. Kew 1939(10): 654. 1939; Shah 810. 1978; Raghavan *et al.* 101. 1981; [GEC, 1996].

Dichanthium caricosum (L.) A. Camus in Bull. Mus. Natl. Hist. Nat. 27: 549. 1921; Shah 810. 1978; Raghavan *et al.* 101. 1981; Bole & Pathak, 416. 1988; [GEC, 1996].

Dichanthium foveolatum (Delile) Roberty in Monogr. Syst. Andropog. du Globe 163. 1960; Raghavan *et al.* 101. 1981; *Eremopogon foveolatus* (Delile) Stapf in Fl. Trop. Afr. 9: 183. 1917; Shah 828. 1978; Bole & Pathak, 434. 1988; [GEC, 1996].

Dichanthium maccannii Blatter in J. Bombay Nat. Hist. Soc. 32: 357, pl. 2. 1927; [Desai, 2013]

Dichanthium oliganthum (Hochst. ex Steud.) Cope in Kew Bull. 35: 703. 1980; [Pandey, 2002].

Digitaria abludens (Roem. & Schult.) Veldkamp in Blumea 21: 53. 1973; Raghavan *et al.* 101. 1981; Bole & Pathak, 417. 1988; *Digitaria granularis* (Trin.) Henrard in Monogr. Digitaria 302. 1950; Shah 813. 1978.

Digitaria bicornis (Lam.) Roem. & Schult. Syst. Veg. 2: 470. 1817; Raghavan *et al.* 102. 1981; [GEC, 1996]; *Digitaria biformis* Willd. in Enum. Pl. 92. 1809; Shah 813. 1978; Raghavan *et al.* 102. 1981; [GEC, 1996].

Digitaria ciliaris (Retz.) Koeler in Descr. Gramin. 27. 1802; Raghavan *et al.* 101. 1981; Bole & Pathak, 418. 1988; *Digitaria adscendens* (Kunth) Henrard in Blumea 1: 92. 1934; Shah 812. 1978; [GEC, 1996]; *Digitaria ciliaris* subsp. *chrysoblephara* (Fig. & De Not.) S.T. Blake in Proc. Roy. Soc. Queensland 81(1): 12. 1969; Bole & Pathak, 417. 1988.

!**Digitaria compacta** (Roth ex Roem. & Schult.) Veldkamp in Blumea 21: 71 1973; *Paspalum compactum* Roth in Syst. Veg. 2: 316. 1817; Shah 852. 1978; Raghavan *et al.* 107. 1981; [GEC, 1996].

Digitaria longiflora (Retz.) Pers. in Syn. Pl. 1: 85. 1805; Shah 814. 1978; Raghavan *et al.* 102. 1981; [GEC, 1996].

Digitaria pennata (Hochst.) T. Cooke in Fl. Bombay 2: 941. 1908; Shah 814. 1978; Raghavan *et al.* 102. 1981; Bole & Pathak, 419. 1988; [GEC, 1996].

Digitaria radicosa (J. Presl) Miq. in Fl. Ned. Ind. 3. 437. 1857; [Pandey, 2002].

Digitaria sanguinalis (L.) Scop. in Fl. Carniol. ed. 2, 1: 52. 1771; Raghavan *et al.* 102. 1981; Bole & Pathak, 420. 1988.

Digitaria setigera Roth in Syst. Veg. 2: 474. 1817; Shah 815. 1988; Raghavan *et al.* 102. 1981; [GEC, 1996]; *Digitaria microbachne* (C.Presl) Henrard in Meded. Rijks-Herb. 61: 13. 1930; Shah 814. 1978; Bole & Pathak, 419. 1988; [GEC, 1996].

Digitaria stricta Roth in Roem. & Schult. Syst. Veg. 2: 474. 1817; Shah 815. 1978; Raghavan *et al.* 102. 1981; [GEC, 1996].

Digitaria ternata (A. Rich.) Stapf in Fl. Cap. 7: 376. 1898; [GEC, 1996].

Digitaria violascens Link in Hort. Berol. 1: 229. 1827; [Pandey, 2002].

Dignathia hirtella Stapf in Hooker's Icon. Pl. 30: t. 2950. 1911; Raghavan *et al.* 102. 1981; [GEC, 1996].

Dimeria blatteri Bor in Kew Bull. 4: 70. 1949; [Desai, 1992].

Dimeria fuscescens Trin. in Mém. Acad. Imp. Sci. St.-Pétersbourg, Sér. 6, Sci. Math. 2: 335. 1833; Raghavan *et al.* 102. 1981; [GEC, 1996].

Dimeria ornithopoda Trin. in Fund. Agrost. 167. 1820; Shah 815. 1978; Raghavan *et al.* 102. 1981; Bole & Pathak, 421. 1988; [GEC, 1996].

Dimeria stapfiana C. E. Hubb. ex Pilg. in Nat. Pflanzenfam. ed. 2 14e: 109. 1940; Raghavan *et al.* 102. 1981; [GEC, 1996].

Dinebra retroflexa (Vahl) Panz. in Denkschr. Königl. Akad. Wiss. München 4: 270. 1813; Shah 816. 1978; Raghavan *et al.* 102. 1981; Bole & Pathak, 421. 1988; [GEC, 1996].

Echinochloa colona (L.) Link in Hort. Berol. 2: 209. 1833; Shah 817. 1978; Raghavan *et al.* 102. 1981; Bole & Pathak, 422. 1988; [GEC, 1996].

Echinochloa crus-galli (L.) P. Beauv. in Ess. Agrostogr. 53. 1812; Shah 817. 1978; Raghavan *et al.* 102. 1981; Bole & Pathak, 423. 1988; [GEC, 1996].

!**Echinochloa crus-pavonis** Schultes in Mant. 2: 269 1824; [245].

Echinochloa frumentacea Link in Hort. Berol. 1: 204. 1827; Shah 818. 1978; Raghavan *et al.* 102. 1981; [GEC, 1996].

Echinochloa pyramidalis (Lam.) Hitchc. & Chase in Contr. U. S. Natl. Herb. 18: 345. 1917; [GEC, 1996].

Echinochloa stagnina (Retz.) P. Beauv. in Ess. Agrostogr. 161. 1812; Shah 818. 1978; Raghavan *et al.* 102. 1981; Bole & Pathak, 423. 1988; [GEC, 1996].

Eleusine coracana (L.) Gaertn. in Fruct. Sem. Pl. 1: 8. 1788; Shah 819. 1978; Raghavan *et al.* 102. 1981; [GEC, 1996].

Eleusine indica (L.) Gaertn. in Fruct. Sem. Pl. 1: 8. 1788; Shah 819. 1978; Raghavan *et al.* 102. 1981; Bole & Pathak, 425. 1988; [GEC, 1996].

Elionurus royleanus Nees ex A. Rich. in Tent. Fl. Abyss. 2: 474. 1850; Shah 820. 1978; Raghavan *et al.* 102. 1981; Bole & Pathak, 426. 1988; [GEC, 1996].

Elytrophorus spicatus (Willd.) A. Camus in Fl. Indo-Chine 7: 547. 1923; Shah 820. 1978; Raghavan *et al.* 103. 1981; [GEC, 1996].

!**Enteropogon dolichostachyus** (Lag.) Keng in Clav. Gen. Sp. Gram. Prim. Sin. 197. 1957; *Chloris dolichostachya* Lag. in Gen. Sp. Pl. 5. 1816; Shah 798. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 403. 1988; [GEC, 1996].

!**Enteropogon prieurii** (Kunth) Clayton in Kew Bull. 37: 419 1982; *Chloris prieurii* Kunth in Révis. Gramin. 1: 89. 1829; Shah 799. 1978; Raghavan *et al.* 99. 1981; [GEC, 1996].

Eragrostiella bifaria (Vahl) Bor in Indian Forester 66: 270. 1940; Shah 821. 1978; Raghavan *et al.* 103. 1981; [GEC, 1996].

Eragrostiella brachyphylla (Stapf) Bor in Indian Forester 66: 270. 1940; Shah 821. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 426. 1988; [GEC, 1996].

!**Eragrostis amabilis** (L.) Wight & Arn. in Cat. Indian Pl. 2: 105 1834. Eragrostis tenella var. insularis C.E.Hubb. in Bull. Misc. Inform. Kew 1939: 654. 1940; [Pandey & Padhye, 1997]; *Eragrostis tenella* (L.) P.Beauv. ex Roem. & Schult. in Syst. Veg., ed. 15 bis 2: 576. 1817; Shah 826. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 431. 1988; [GEC, 1996].

!**Eragrostis cilianensis** (All.) Janch. in Mitt. Naturwiss. Vereins Univ. Wien 5: 110. 1907; ** *Eragrostis cilianensis* Link ex Lutati in Malpighia xviii. 386, in obs. 1904; Shah 823. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 427. 1988; [GEC, 1996].

Eragrostis ciliaris (L.) R. Br. in Narr. Exped. Zaire 478. 1818; Shah 823. 1978; Raghavan *et al.* 103. 1981; [GEC, 1996]; *Eragrostis ciliaris* var. *brachystachya* Boiss. in Fl. Orient. 5: 582. 1884; Shah 823. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 428. 1988; [GEC, 1996].

Eragrostis ciliata (Roxb.) Nees in Fl. Bras. Enum. Pl. 2: 512. 1829; Shah 824. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 429. 1988; [GEC, 1996].

Eragrostis gangetica (Roxb.) Steud. in Syn. Pl. Glumac. 1: 266. 1854; Raghavan *et al.* 103. 1981; [GEC, 1996].

Eragrostis japonica (Thunb.) Trin. in Mém. Acad. Imp. Sci. St.-Pétersbourg, Sér. 6, Sci. Math. 1: 405. 1830; Shah 825. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 430. 1988; [GEC, 1996]; *Eragrostis diarrhena* (Schult. & Schult. f.) Steud. in Syn. Pl. Glumac. 1: 266. 1854; Shah 824. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 430. 1988; [GEC, 1996].

!**Eragrostis minor** Host in Fl. Austriaca 1: 135 1827; *Eragrostis poaeoides* P. Beauv. in Ess. Agrostogr. 162. 1812; Shah 826. 1978; Raghavan *et al.* 103. 1981; [GEC, 1996].

Eragrostis nigra Nees ex Steud. in Syn. Pl. Glumac. 1: 267. 1854; [GEC, 1996].

Eragrostis nutans (Retz.) Nees ex Steud. in Nomencl. Bot. ed. 2, 1: 563. 1840; Shah 825. 1978; Raghavan *et al.* 103. 1981; [GEC, 1996].

Eragrostis papposa (Roem. & Schult.) Steud. in Nomencl. Bot. (ed. 2) 1: 564. 1840; [Desai, 2013]

Eragrostis pilosa (L.) P. Beauv. in Ess. Agrostogr. 71. 1812; Shah 825. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 431. 1988; [GEC, 1996].

Eragrostis riparia (Willd.) Nees in Fl. Bras. Enum. Pl. 2: 512. 1829; [GEC, 1996; 182].

Eragrostis superba Peyr. in Sitzungsber. Kaiserl. Akad. Wiss., Wien, Math.-Naturwiss. Cl. 38: 584. 1860; Raghavan *et al.* 103

Eragrostis patula (Kunth) Steud. in Nomencl. Bot. ed. 2, 1: 564. 1840; *Eragrostis tenuifolia* (A. Rich.) Hochst. ex Steud. in Syn. Pl. Glumac. 1: 268. 1854; Raghavan *et al.* 103. 1981; Bole & Pathak, 432. 1988; [GEC, 1996].

Eragrostis tremula Hochst. ex Steud. in Syn. Pl. Glumac. 1: 269. 1854; Shah 827. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 432. 1988.

Eragrostis unioloides (Retz. 1978.) Nees ex Steud. in Syn. Pl. Glumac. 1: 264. 1854; Shah 827. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 433. 1988; [GEC, 1996].

Eragrostis viscosa (Retz.) Trin. in Mém. Acad. Imp. Sci. St.-Pétersbourg. 1978. Sér. 6, Sci. Math. 1: 397. 1831; Shah 827. 1978; Raghavan *et al.* 103. 1981; Bole & Pathak, 433. 1988; [GEC, 1996].

Eriochloa procera (Retz.) C. E. Hubb. in Bull. Misc. Inform. Kew 1930: 256. 1930; Shah 828. 1978; Raghavan *et al.* 104. 1981; Bole & Pathak, 435. 1988; [GEC, 1996].

Eulalia fimbriata (Hack.) Kuntze in Revis. Gen. Pl. 2: 775. 1891; Raghavan *et al.* 104. 1981; [GEC, 1996].

Eulalia trispicata (Schult.) Henrard in Blumea 3: 453. 1940; Shah 828. 1978; Raghavan *et al.* 104. 1981; [GEC, 1996].

Eulaliopsis binata (Retz.) C. E. Hubb. in Hooker's Icon. Pl. 33: t. 3262: p. 6. 1935; Shah 829. 1978; Raghavan *et al.* 104. 1981; Bole & Pathak, 435. 1988; [GEC, 1996].

Garnotia tenella (Arn. ex Miq.) Janowski in Repert. Spec. Nov. Regni Veg. 17: 86. 1921; [Pandey, 2002].

!**Glyphochloa forficulata** (C. E. C. Fisch.) Clayton in Kew Bull. 35: 815. 1981; *Manisuris forficulata* C.E.C.Fisch. in Bull. Misc. Inform. Kew 355. 1933; Raghavan *et al.* 105. 1981; [GEC, 1996].

Hackelochloa granularis (L.) Kuntze in Revis. Gen. Pl. 2: 776. 1891; Shah 829. 1978; Raghavan *et al.* 104. 1981; Bole & Pathak, 436. 1988; [GEC, 1996].

Halopyrum mucronatum (L.) Stapf in Hooker's Icon. Pl. 25: t. 2448. 1896; Shah 830. 1978; Raghavan *et al.* 104. 1981; Bole & Pathak, 437. 1988; [GEC, 1996].

Hemarthria compressa (L. f.) R. Br. in Prodr. Fl. Nov. Holl. 207. 1810; Shah 830. 1978; Bole & Pathak, 437. 1988; [GEC, 1996].

Heteropogon contortus (L.) P. Beauv. ex Roem. & Schult. in Syst. Veg. 2: 836. 1817; Shah 831. 1978; Raghavan *et al.* 104. 1981; Bole & Pathak, 438. 1988; [GEC, 1996].

Heteropogon melanocarpus (Elliott) Benth. in J. Linn. Soc., Bot. 19: 71. 1881; Raghavan *et al.* 104. 1981; [GEC, 1996].

Heteropogon polystachyus (Roxb.) Schult. in Mant. 2: 460. 1824; [Pandey, 2002].

Heteropogon ritchiei (Hook. f.) Blatt. & McCann in J. Bombay Nat. Hist. Soc. 32: 623. 1928; Shah 831. 1978; Raghavan *et al.* 104. 1981; Bole & Pathak, 439. 1988; [GEC, 1996].

Heteropogon triticeus (R. Br.) Stapf ex Craib in Bull. Misc. Inform. Kew 432. 1912; Shah 832. 1978; Raghavan *et al.* 104. 1981; Bole & Pathak, 440. 1988; [GEC, 1996].

Hordeum vulgare L. in Sp. Pl. 84. 1753; Shah 832. 1978; Raghavan *et al.* 104. 1981; [GEC, 1996].

Hygroryza aristata (Retz.) Nees ex Wight & Arn. in Edinburgh New Philos. J. 15: 380. 1833; Shah 833. 1978; Raghavan *et al.* 104. 1981; [GEC, 1996].

!**Imperata cylindrica** (L.) Raeusch. in Nomencl. Bot. ed. 3: 10. 1797; ** *Imperata cylindrica* (L.) P. Beauv. in Ess. Agrostogr. 8, 165, 177, pl. 5,f. 1. 8. 1812; Shah 833. 1978; Raghavan *et al.* 104. 1981; Bole & Pathak, 440. 1988; [GEC, 1996].

Isachne elegans Dalzell in Bombay Fl. 291. 1861; Raghavan *et al.* 104. 1981; [GEC, 1996].

Isachne globosa (Thunb.) Kuntze in Revis. Gen. Pl. 2: 778. 1891; Shah 834. 1978; Raghavan *et al.* 104. 1981; [GEC, 1996]; *Isachne dispar* Trin. in Sp. Gram. 1: t. 86. 1827; Shah 834. 1978; Bole & Pathak, 441. 1988; [GEC, 1996].

!**Ischaemum afrum** (J. f. Gmel.) Dandy in Fl. Pl. Sudan 3: 476 1956; *Ischaemum pilosum* (Klein ex willd.) Wt. in Madras Lit. Sci. Journ. 138. 1835; Shah 837. 1978; Raghavan *et al.* 105. 1981; Bole & Pathak, 443. 1978.

!**Ischaemum barbatum** Retz. in Observ. Bot. 6: 35 1791; *Ischaemum goebelii* Hack. in Oesterr. Bot. Z. 51: 149. 1901; Shah 836. 1988; Raghavan *et al.* 104. 1981; [GEC, 1996].

Ischaemum bombaiense Bor in J. Bombay Nat. Hist. Soc. 49: 165. 1950; [Desai, 2013]

Ischaemum diplopogon Hook. f. in Fl. Brit. India 7: 129. 1896; Shah 836. 1978; Raghavan *et al.* 104. 1981; [GEC, 1996].

Ischaemum impressum Hack. in Monogr. Phan. 6: 210. 1889; [GEC, 1996; Uniyal & Pal, 1984, 182].

Ischaemum molle Hook. f. Fl. Brit. India 7: 128. 1896; Shah 837. 1978; Raghavan *et al.* 105. 1981; Bole & Pathak, 442. 1988; [GEC, 1996].

Ischaemum muticum L. in Sp. Pl. 2: 1049. 1753; [Desai, 2013]

Ischaemum rugosum Salisb. in Icon. Stirp. Rar. 1: t. 1. 1791; Shah 838. 1978; Raghavan *et al.* 105. 1981; Bole & Pathak, 443. 1988; [GEC, 1996].

Ischaemum santapaui Bor in J. Bombay Nat. Hist. Soc. 49: 167. 1950; Shah 838. 1978; [GEC, 1996].

Ischaemum sayajiraoi Raole & R. J. Desai in Kew Bull. 66(2): 303. 2011;

Ischaemum semisagittatum Roxb. in Fl. Ind. 1: 320. 1820; Shah 838. 1978; Raghavan *et al.* 105. 1981; [GEC, 1996].

Ischaemum timorense Kunth in Révis. Gramin. 1: 369. 1830; Shah 838. 1978; Raghavan *et al.* 105. 1981; [GEC, 1996].

Ischaemum travancorense Stapf ex C. E. C. Fisch. in Bull. Misc. Inform. Kew 353. 1933; [Desai & Raole, 2011].

Ischaemum vembanadense R. B. Patil & D'Cruz in J. Bombay Nat. Hist. Soc. 70: 324. 1974; [Desai & Raole, 2011].

Iseilema anthephoroides Hack. in Monogr. Phan. 6: 683. 1889; Shah 840. 1978; Raghavan *et al.* 105. 1981; [GEC, 1996].

Iseilema laxum Hack. in Monogr. Phan. 6: 682. 1889; Shah 840. 1978; Raghavan *et al.* 105. 1981; Bole & Pathak, 444. 1988; [GEC, 1996].

Iseilema prostratum (L.) Andersson in Nova Acta Regiae Soc. Sci. Upsal. III, 2: 251. 1856; Shah 840. 1978; Raghavan *et al.* 105. 1981; Bole & Pathak, 445. 1988; [GEC, 1996].

Leptochloa chinensis (L.) Nees in Syll. Pl. Nov. 1: 4. 1824; Shah 841. 1978; Raghavan *et al.* 105. 1981; [GEC, 1996].

!**Leptochloa fusca** (L.) Kunth in Révis. Gramin. 1: 91. 1829; *Leptochloa malabarica* (L.) Veldkamp in Blumea 19: 64. 1971; Raghavan *et al.* 105. 1981. *Diplachne fusca* (L.) P. Beauv. ex Stuck. in Anales Mus. Nac. Buenos Aires 11: 128. 1904; Shah 816. 1981; [GEC, 1996].

Leptochloa neesii (Thwaites) Benth. in J. Linn. Soc.. 1978. Bot. 19: 108. 1881; Raghavan *et al.* 105. 1981; [GEC, 1996].

Leptochloa panicea (Retz.) Ohwi in Bot. Mag. (Tokyo) 55: 311. 1941; Shah 841. 1978; Raghavan *et al.* 105. 1981; Bole & Pathak, 445. 1988; [GEC, 1996].

!**Leptothrium senegalense** (Kunth) Clayton in Kew Bull. 27: 151. 1972; *Latipes senegalensis* Kunth in Révis. Gramin. 1: 261. 1830; Raghavan *et al.* 105. 1981; [GEC, 1996].

Lophopogon tridentatus (Roxb.) Hack. in Monogr. Phan. 6: 254. 1889; Shah 842. 1978; Raghavan *et al.* 105. 1981; [GEC, 1996].

Melanocenchris abyssinica (R. Br. ex Fresen.) Hochst. in Flora 38: 274. 1855; Raghavan *et al.* 105. 1981; Bole & Pathak, 446. 1988; [GEC, 1996].

Melanocenchris jacquemontii Jaub. & Spach in Ill. Pl. Orient. 4: 36. 1851; Shah 842. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 446. 1988; [GEC, 1996].

Melanocenchris monoica (Rottler) C. E. C. Fisch. in Bull. Misc. Inform. Kew 1934: 148. 1934; [Pandey, 2002].

!**Melinis repens** (Willd.) Zizka subsp. **grandiflora** (Hochst.) Zizka in Biblioth. Bot. 38: 60. 1988; *Rhynchelytrum villosum* (Parl.) Chiov. in Annuario Reale Ist. Bot. Roma 8: 310. 1908; Raghavan *et al.* 108. 1981; [GEC, 1996].

Mnesithea laevis (Retz.) Kunth in Révis. Gramin. 1: 154. 1829; Raghavan *et al.* 106. 1981; [GEC, 1996].

!**Ochthochloa compressa** (Forssk.) Hilu in Kew Bull. 36: 560 1981; *Eleusine compressa* (Forssk.) Asch. & Schweinf. ex C.Chr. in Dansk Bot. Ark. 4(3): 12. 1922; Shah 819. 1978; Raghavan *et al.* 102. 1981; Bole & Pathak, 424. 1988; [GEC, 1996].

Ophiuros exaltatus (L.) Kuntze in Revis. Gen. Pl. 2: 780. 1891; Shah 843. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 447. 1988; [GEC, 1996]; Rottboellia exaltata (L.) L. f. in Nov. Gram. Gen. 40. 1779; Shah 859. 1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 458. 1988; [GEC, 1996].

Oplismenus burmannii (Retz.) P. Beauv. in Ess. Agrostogr. 54. 1812; Shah 843. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 447. 1988; [GEC, 1996].

Oplismenus compositus (L.) P. Beauv. in Ess. Agrostogr. 54. 1812; Shah 844. 1978; Raghavan *et al.* 106. 1981; [GEC, 1996].

Oropetium thomaeum (L. f.) Trin. in Fund. Agrost. 98. 1820; Shah 844. 1978; [GEC, 1996].

Oryza glaberrima Steud. in Syn. Pl. Glumac. 1: 3. 1853; Raghavan *et al.* 106. 1981; [GEC, 1996].

Oryza latifolia Desv. in J. Bot. Agric. 1: 77. 1813; [Desai, 2013]

Oryza minuta J. Presl in Reliq. Haenk. 1: 208. 1830; Shah 845. 1978; Raghavan *et al.* 106. 1981; [GEC, 1996].

Oryza rufipogon Griff. in Not. Pl. Asiat. 3: 5. 1851; Raghavan *et al.* 106; *Oryza nivara* S.D.Sharma & Shastry in Indian J. Genet. Pl. Breed. 25: 161. 1965; Shah 845. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 448. 1988; [GEC, 1996].

Oryza sativa L. in Sp. Pl. 333. 1753; Shah 845. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 449. 1988; [GEC, 1996].

Panicum antidotale Retz. in Observ. Bot. 4: 17. 1786; Shah 847. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 450. 1988; [GEC, 1996].

Panicum atrosanguineum Hochst. ex A. Rich. in Tent. Fl. Abyss. 2: 375. 1850; [Pandey, 2002].

Panicum auritum J. Presl ex Nees in Fl. Bras. Enum. Pl. 2: 176. 1829; Raghavan *et al.* 106. 1981.

!**Panicum curviflorum** Hornem. in Hort. Bot. Hafn. Suppl.: 116. 1819; *Panicum trypheron* Schult. in Mant. 2: 244. 1824; Shah 849. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 452. 1988; [GEC, 1996].

Panicum maximum Jacq. in Icon. Pl. Rar. 1: t. 13. 1781; Shah 847. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 450. 1988; [GEC, 1996].

Panicum miliaceum L. in Sp. Pl. 58. 1753; Shah 847. 1978; Raghavan *et al.* 106. 1981; [GEC, 1996].

Panicum notatum Retz. in Observ. Bot. 4: 18. 1786; Shah 848. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 451. 1988; [GEC, 1996].

Panicum paianum Naik & Patunkar in Reinwardtia 9: 407. 1980; [Desai, 2013]

Panicum paludosum Roxb. in Fl. Ind. 1: 310. 1820; Shah 848. 1978; Raghavan *et al.* 106. 1981; [GEC, 1996].

Panicum repens L. in Sp. Pl. (ed. 2) 1: 87. 1762; Raghavan *et al.* 106. 1981; [GEC, 1996].

Panicum sumatrense Roth in Syst. Veg. 2: 434. 1817; Shah 849. 1978; Raghavan *et al.* 106. 1981; Bole & Pathak, 451. 1988; [GEC, 1996]; *Panicum psilopodium* var. *coloratum* Hook. f. in Fl. Brit. Ind. 7:47. 1896; Shah 848. 1978; Raghavan *et al.* 106. 1981; [GEC, 1996]; *Panicum psilopodium* Trin. in Gram. Pan. 217. 1826; Shah 848. 1978; Raghavan *et al.* 106. 1981; [GEC, 1996].

Panicum turgidum Forssk. in Fl. Aegypt.-Arab. 18. 1775; Shah 850. 1978; Raghavan *et al.* 107. 1981; Bole & Pathak, 452. 1988; [GEC, 1996].

Parahyparrhenia bellariensis (Hack.) Clayton in Kew Bull. 27: 448. 1972; Raghavan *et al.* 107. 1981; [GEC, 1996].

Paspalidium flavidum (Retz.) A. Camus in Fl. Indo-Chine 7: 419. 1922; Shah 850. 1978; Raghavan *et al.* 107. 1981; Bole & Pathak, 453. 1988; [GEC, 1996].

Paspalidium geminatum (Forssk.) Stapf in Fl. Trop. Afr. 9: 583. 1920; Shah 851. 1978; Raghavan *et al.* 107. 1981; Bole & Pathak, 454. 1988; [GEC, 1996].

Paspalidium punctatum (Burm.) A. Camus in Fl. Indo-Chine 7: 419. 1922; Shah 851. 1978; Raghavan *et al.* 107. 1981; [GEC, 1996].

Paspalum distichum L. in Syst. Nat. ed. 10 2: 855. 1759; Shah 852. 1978; Raghavan *et al.* 107. 1981; Bole & Pathak, 454. 1988; [GEC, 1996].

Paspalum longifolium Roxb. in Fl. Ind. 1: 280. 1820; Shah 852. 1978; Raghavan *et al.* 107. 1981; [GEC, 1996].

Paspalum scrobiculatum L. in Mant. Pl. 1: 29. 1767; Shah 853. 1978; Raghavan *et al.* 107. 1981; Bole & Pathak, 455. 1988; [GEC, 1996].

Paspalum vaginatum Sw. in Prodr. Veg. Ind. Occ. 21. 1788; Shah 853. 1978; Raghavan *et al.* 107. 1981; Bole & Pathak, 456. 1988; [GEC, 1996].

Pennisetum divisum (Forssk. ex J. F. Gmel.) Henrard in Blumea 3: 162. 1938; Shah 854. 1978; Raghavan *et al.* 107. 1981; [GEC, 1996].

!**Pennisetum glaucum** (L.) R. Br. in Prodr. Fl. Nov. Holl. 195. 1810; *Setaria glauca* (L.) P.Beauv. in Ess. Agrostogr. 51. 1812; Shah 864. 1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 464. 1988; [GEC, 1996]; *Pennisetum typhoides* (Burm. f.) Stapf & C.E.Hubb. in Bull. Misc. Inform. Kew 1933: 271. 1933; Shah 856. 1978; Raghavan *et al.* 107. 1981; Bole & Pathak, 456. 1988; [GEC, 1996].

Pennisetum hohenackeri Hochst. ex Steud. in Syn. Pl. Glumac. 1: 103. 1854; Shah 854. 1978; Raghavan *et al.* 107. 1981; [GEC, 1996].

Pennisetum orientale Rich. in Syn. Pl. 1: 72. 1805; Raghavan *et al.* 107. 1981; [GEC, 1996].

Pennisetum pedicellatum Trin. in Mém. Acad. Imp. Sci. Saint-Pétersbourg, Sér. 6, Sci. Math., Seconde Pt. Sci. Nat. 3(2): 184. 1834; Shah 855. 1978; Raghavan *et al.* 107. 1981; [GEC, 1996].

!**Pennisetum polystachion** (L.) Schult. in Mant. 2: 146 1824; *Pennisetum setosum* (Sw.) Rich. in Syn. Pl. 1: 72. 1805; Shah 856. 1978; Raghavan *et al.* 107. 1981; [GEC, 1996].

Pennisetum purpureum Schumach. in Beskr. Guin. Pl. 44. 1827; Shah 855. 1978; Raghavan *et al.* 107. 1981; [GEC, 1996].

Perotis hordeiformis Nees ex Hook. & Arn. in Bot. Beechey Voy. 247. 1838; [Pandey, 2002].

Perotis indica (L.) Kuntze in Revis. Gen. Pl. 2: 787. 1891; Shah 856. 1978; Raghavan *et al.* 107. 1981; [GEC, 1996].

Phragmites australis (Cav.) Trin. ex Steud. in Nomencl. Bot. ed. 2, 2: 324. 1841; [Pandey, 2002].

Phragmites karka (Retz.) Trin. ex Steud. in Nomencl. Bot. ed. 2, 2: 324. 1841; Shah 857. 1978; Raghavan *et al.* 107. 1981; Bole & Pathak, 457. 1988; [GEC, 1996].

Polypogon monspeliensis (L.) Desf. in Fl. Atlant. 1: 66. 1798; Shah 857. 1978; [GEC, 1996].

Polytoca digitata (L. f.) Druce in Rep. Bot. Soc. Exch. Club Brit. Isles 1916: 641. 1917; Raghavan *et al.* 108. 1981; [GEC, 1996].

!**Polytrias indica** (Houtt.) Veldkamp in Blumea 36: 180. 1991; *Ischaemum indicum* (Houtt.) Merrill var. *indicum* subvar. *villosum* (Nees) Borin in Grass. Burma, Ceylon, India & Pakistan 180. 1960; Shah 837. 1978; [GEC, 1996]; *Ischaemum indicum* (Houtt.) Merrill var. *indicum* sub var. *indicum* (Nees) Borin in Grass. Burma, Ceylon, India & Pakistan 180. 1959; Shah 837. 1978; Raghavan *et al.* 105. 1981; Bole & Pathak, 442. 1988; [GEC, 1996].

Pseudanthistiria heteroclita (Roxb.) Hook. f. in Fl. Brit. India 7: 219. 1896; Shah 858. 1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 458. 1988; [GEC, 1996]; *Pseudanthistiria hispida* Hook. f. in Fl. Brit. India 7: 219. 1896; Shah 858. 1978; Raghavan *et al.* 108. 1981; [GEC, 1996].

Pseudoraphis spinescens (R. Br.) Vickery in Proc. Roy. Soc. Queensland 62: 69. 1952; Shah 858. 1978; Raghavan *et al.* 108. 1981; [GEC, 1996].

Pseudosorghum fasciculare (Roxb.) A. Camus in Bull. Mus. Natl. Hist. Nat. 26: 662. 1920; Shah 859. 1978; Raghavan *et al.* 108. 1981; [GEC, 1996].

Saccharum bengalense Retz. in Observ. Bot. 5: 16. 1789; Shah 860. 1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 459. 1988; [GEC, 1996].

Saccharum officinarum L. in Sp. Pl. 54. 1753; Shah 860. 1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 460. 1988; [GEC, 1996].

!**Saccharum ravennae** (L.) L. in Syst. Veg. ed. 13 2: 88. 1774; *Erianthus ravennae* (L.) P.Beauv. in Ess. Agrostogr. 14. 1812; Raghavan *et al.* 104. 1981.

Saccharum spontaneum L. in Mant. Pl. 2: 183. 1771; Shah 860.1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 460. 1988; [GEC, 1996].

Sacciolepis indica (L.) Chase in Proc. Biol. Soc. Wash. 21: 8. 1908; Raghavan *et al.* 108. 1981; [GEC, 1996].

Sacciolepis interrupta (Willd.) Stapf in Fl. Trop. Afr. 9: 757. 1920; Shah 861. 1978; Raghavan *et al.* 108. 1981; [GEC, 1996].

Schizachyrium brevifolium (Sw.) Buse in Pl. Jungh. 359. 1854; Raghavan *et al.* 108. 1981; [GEC, 1996].

Schoenefeldia gracilis Kunth in Révis. Gramin. 1: 283. 1830; Shah 861. 1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 461. 1988; [GEC, 1996].

Sehima ischaemoides Forssk. in Fl. Aegypt.-Arab. 178. 1775; Shah 862. 1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 461. 1988; [GEC, 1996].

Sehima nervosum (Rottler) Stapf in Fl. Trop. Afr. 9: 36. 1917; Shah 862. 1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 462. 1988; [GEC, 1996].

Sehima sulcatum (Hack.) A. Camus in Bull. Mus. Natl. Hist. Nat. 27: 373. 1921; Shah 863. 1978; Raghavan *et al.* 108. 1981; Bole & Pathak, 463. 1988; [GEC, 1996].

!**Setaria intermedia** Roem. & Schult. in Syst. Veg. 2: 489 1817; *Setaria tomentosa* (Roxb.) Kunth in Révis. Gramin. 1: 47. 1829; Shah 864. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 465. 1988; [GEC, 1996].

Setaria italica (L.) P. Beauv. in Ess. Agrostogr. 51. 1812; Shah 864. 1978; Raghavan *et al.* 108. 1981; [GEC, 1996].

Setaria plicata (Lam.) T.Cooke in Fl. Bombay 2: 919. 1908; [Desai, 2013]

!**Setaria pumila** (Poir.) Roem. & Schult. in Syst. Veg. 2: 891. 1817; *Setaria pallidefusca* (Schumach.) Stapf & C.E.Hubb. in Bull. Misc. Inform. Kew 1930: 259. 1930; Shah 864. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 464. 1988; [GEC, 1996].

Setaria verticillata (L.) P. Beauv. in Ess. Agrostogr. 51. 1812; Shah 865. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 465. 1988; [GEC, 1996].

Sorghum bicolor (L.) Moench in Methodus 207. 1794; Shah 866. 1978; Bole & Pathak, 466. 1988; [GEC, 1996].

Sorghum controversum (Steud.) Snowden in J. Linn. Soc., Bot. 55: 210. 1955; Shah 866. 1978; Raghavan *et al.* 109. 1981; [GEC, 1996].

Sorghum halepense (L.) Pers. in Syn. Pl. 1: 101. 1805; Shah 867. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 467. 1988; [GEC, 1996].

Sorghum miliaceum (Roxb.) Snowden in J. Linn. Soc.. 1978. Bot. 55: 205. 1955; Shah 867. 1978; Raghavan *et al.* 109. 1981; [GEC, 1996].

Sorghum nitidum (Vahl) Pers. in Syn. Pl. 1: 101. 1805; Shah 867. 1978; Raghavan *et al.* 109. 1981; [GEC, 1996].

Sorghum purpureosericeum (A. Rich.) Schweinf. & Asch. in Beitr. Fl. Aethiop. 310. 1867; Shah 868. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 468. 1988; [GEC, 1996]; *Sorghum deccanense* Stapf ex bor. in Grass. Burma, Ceylon, India & Pakistan 245. 1959; Raghavan *et al.* 109. 1981.

Spinifex littoreus (Burm. f.) Merr. in Philipp. J. Sci., C 7: 229. 1912; Shah 868. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 469. 1988; [GEC, 1996].

Spodiopogon rhizophorus (Steud.) Pilg. in Nat. Pflanzenfam. ed. 2 14e: 119. 1940; Shah 868. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 470. 1988; [GEC, 1996].

Sporobolus coromandelianus (Retz.) Kunth in Révis. Gramin. 1: 68. 1829; Shah 870. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 471. 1988; [GEC, 1996].

!**Sporobolus diandrus** (Retz.) P. Beauv. in Ess. Agrostogr. 26. 1812; ## *Sporobolus diander* (Retz.) P. Beauv. in Ess. Agrostogr. 26, 147, 178. 26. 1812; Shah 870. 1978; Bole & Pathak, 471. 1988; [GEC, 1996]; *Sporobolus indicus* var. *diandrus* (Retz.) Jovet & Guédès in Taxon 22: 163. 1973; Raghavan *et al.* 109. 1981.

Sporobolus fertilis (Steud.) Clayton in Kew Bull. 19: 291. 1965; Shah 871. 1978; Bole & Pathak, 472. 1988; [GEC, 1996]; *Sporobolus indicus* var. *fertilis* (Steud.) Jovet & Guédès in Taxon 22: 163. 1973; Raghavan *et al.* 109. 1981.

Sporobolus helvolus (Trin.) T. Durand & Schinz in Consp. Fl. Afric. 5: 820. 1894; Shah 871. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 472. 1988; [GEC, 1996].

!**Sporobolus ioclados** (Trin.) Nees in Fl. Afr. Austral. Ill. 161. 1841; *Sporobolus marginatus* Hochst. ex A.Rich. in Tent. Fl. Abyss. 2: 397. 1850; Shah 872. 1978; Raghavan *et al.* 110. 1981; Bole & Pathak, 473. 1988; [GEC, 1996].

Sporobolus maderaspatanus Bor in Kew Bull. 12: 234. 1957; Shah 871. 1978; Raghavan *et al.* 109. 1981; Bole & Pathak, 473. 1988; [GEC, 1996].

Sporobolus spicatus (Vahl) Kunth in Révis. Gramin. 1: 67. 1829; [GEC, 1996].

Sporobolus tenuissimus (Schrank.) Kuntze in Revis. Gen. Pl. 3(2): 369. 1898; Raghavan *et al.* 110. 1981; *Sporobolus minutiflorus* (Trin.) Link in Hort. Berol. 1: 88. 1827; [Desai, 2013]

Sporobolus virginicus (L.) Kunth in Révis. Gramin. 1: 67. 1829; Shah 872. 1978; Raghavan *et al.* 110. 1981; Bole & Pathak, 474. 1988; [GEC, 1996]; *Sporobolus tremulus* (Willd.) Kunth in Révis. Gramin. 1: 67. 1829; Shah 872. 1978; Raghavan *et al.* 110. 1981; Bole & Pathak, 474. 1988; [GEC, 1996].

!**Stipagrostis hirtigluma** (Steud. ex Trin. & Rupr.) De Winter in Kirkia 3: 134. 1963; *Aristida hirtigluma* Steud. ex Trin. & Rupr. in Mém. Acad. Imp. Sci. Saint-Pétersbourg, Sér. 6, Sci. Math., Seconde Pt. Sci. Nat. 7: 171. 1849; Raghavan *et al.* 97. 1981; [GEC, 1996].

Tetrapogon tenellus (Roxb.) Chiov. in Annuario Reale Ist. Bot. Roma 8: 352. 1908; Shah 873. 1978; Raghavan *et al.* 110. 1981; Bole & Pathak, 475. 1988.

Tetrapogon villosus Desf. in Fl. Atlant. 2: 388. 1799; Shah 873. 1978; Raghavan *et al.* 110. 1981; Bole & Pathak, 475. 1988

Thelepogon elegans Roth in Syst. 1978. Veg. 2: 788. 1817; Shah 873. 1978; Raghavan *et al.* 110. 1981; [GEC, 1996];

Themeda cymbaria Hack. in Monogr. Phan. 6: 668. 1889; Shah 874. 1978; Raghavan *et al.* 110. 1981; Bole & Pathak, 476. 1988; [GEC, 1996].

Themeda laxa (Andersson) A. Camus in Bull. Mus. Natl. Hist. Nat. 26: 423. 1920; Shah 874. 1978; Raghavan *et al.* 110. 1981; [GEC, 1996].

Themeda quadrivalvis (L.) Kuntze in Revis. Gen. Pl. 2: 793. 1891; Shah 875. 1978; Raghavan *et al.* 110. 1981; Bole & Pathak, 477. 1988; [GEC, 1996].

Themeda tremula (Nees ex Steud.) Hack. in Monogr. Phan. 6: 667. 1889; Shah 875. 1978; Raghavan *et al.* 110. 1981; [GEC, 1996].

Themeda triandra Forssk. in Fl. Aegypt.-Arab. 178. 1775; Shah 876. 1978; Raghavan *et al.* 110. 1981; Bole & Pathak, 477. 1988; [GEC, 1996].

!**Thysanolaena latifolia** (Roxb. ex Hornem.) Honda in J. Fac. Sci. Univ. Tokyo, Sect. 3, Bot. 3: 312. 1930; *Thysanolaena maxima* (Roxb.) Kuntze in Revis. Gen. Pl. 2: 784. 1891; Shah 876. 1978; Raghavan *et al.* 110. 1981; [GEC, 1996].

Trachys muricata (L.) Pers. ex Trin in Mém. Acad. Imp. Sci. Saint-Pétersbourg, Sér. 6, Sci. Math., Seconde Pt. Sci. Nat. 3(2): 189. 1834; Shah 877. 1978; Raghavan *et al.* 110. 1981; [GEC, 1996].

!**Tragus mongolorum** Ohwi in Acta Phytotax. Geobot. 10: 268. 1941; *Tragus roxburghii* Panigrahi in Kew Bull. 29: 496. 1974; Raghavan *et al.* 110. 1981; Bole & Pathak, 478. 1988.

!**Tragus racemosus** (L.) All. in Fl. Pedem. 2: 241. 1785; *Tragus biflorus* (Roxb.) Schult. in Mant. 2: 205. 1824; Shah 877. 1978; [GEC, 1996].

Trilobachne cookei (Stapf) Schenck ex Henrard in Meded. Rijks-Herb. 67: 4. 1931; Shah 877. 1978; Raghavan *et al.* 110. 1981; Bole & Pathak, 479. 1988; [GEC, 1996].

Triplopogon ramosissimus (Hack.) Bor in Kew Bull. 9: 501. 1954; Shah 878. 1978; Raghavan *et al.* 110. 1981; [GEC, 1996].

Tripogon capillatus Jaub. & Spach in Ill. Pl. Orient. 4: 47. 1851; Shah 879. 1978; [GEC, 1996].

Tripogon filiformis Nees ex Steud. in Syn. Pl. Glumac. 1: 301. 1854; [Desai, 2013]

Tripogon jacquemontii Stapf in Bull. Misc. Inform. Kew 1892: 85. 1892; Shah 879. 1978; Raghavan *et al.* 111. 1981; Bole & Pathak, 480. 1988; [GEC, 1996].

Tripogon lisboae Stapf in Bull. Misc. Inform. Kew 1892: 84. 1892; Shah 879. 1978; Raghavan *et al.* 111. 1981; [GEC, 1996].

Tripogon purpurascens Duthie in Ann. Roy. Bot. Gard. (Calcutta) 9: 74. 1901; Shah 880. 1978; [GEC, 1996].

Triticum aestivum L. in Sp. Pl. 1: 85. 1753; Shah 880. 1978; Raghavan *et al.* 111. 1981; Bole & Pathak, 480. 1988; [GEC, 1996].

Urochloa panicoides P. Beauv. in Ess. Agrostogr. 52. t. 11. 1812; Shah 880. 1978; Raghavan *et al.* 111. 1981; Bole & Pathak, 481. 1988; [GEC, 1996]; *Urochloa panicoides* var. *velutina* (Henrard) Borin in Grass. Burma, Ceylon, India & Pakistan 373. 1960; Raghavan *et al.* 111. 1981; Bole & Pathak, 481. 1988; *Urochloa panicoides* var. pubescens (Kunth) Borin in Grass. Burma. 1988. Ceylon, India & Pakistan 372. 1960; Raghavan *et al.* 111. 1981; [GEC, 1996].

!**Urochloa setigera** (Retz.) Stapf in Fl. Trop. Afr. 9: 598. 1920; *Brachiaria setigera* (Retz.) C.E.Hubb. in Hooker's Icon. Pl. 34: t. 3363. 1938; Shah 792. 1978; Raghavan *et al.* 99. 1981; Bole & Pathak, 397. 1988; [GEC, 1996].

Urochondra setulosa (Trin.) C. E. Hubb. in Hooker's Icon. Pl. 35: t. 3457. 1947; Shah 881. 1978; Raghavan *et al.* 111. 1981; Bole & Pathak, 482. 1988; [GEC, 1996].

Zea mays L. in Sp. Pl. 971. 1753; Shah 882. 1978; Raghavan *et al.* 111. 1981; Bole & Pathak, 483. 1988; [GEC, 1996].

Zoysia matrella (L.) Merr. in Philipp. J. Sci., C 7: 230. 1912; Shah 882. 1978; Raghavan *et al.* 111. 1981; Bole & Pathak, 484. 1988; [GEC, 1996].

Typhaceae Juss.

!**Typha domingensis** Pers. Syn. Pl. 2: 532. 1807; *Typha angustata* Bory & Chaub. in Nouv. Fl. Pélop. 4. 1838; Shah 695. 1978; Raghavan *et al.* 88. 1981; Bole & Pathak, 336. 1988; [GEC, 1996].

Typha elephantina Roxb. in Fl. Ind. ed. 3: 566. 1832; Shah 696. 1978; Raghavan *et al.* 89. 1981; Bole & Pathak, 337. 1988; [GEC, 1996].

Typha latifolia L. in Sp. Pl. 971. 1753; Raghavan *et al.* 89. 1981; [GEC, 1996].

Cannaceae Juss.

Canna flaccida Salisb. in Icon. Stirp. Rar. 3. 1791; Raghavan *et al.* 84. 1981; Bole & Pathak, 307. 1988; [GEC, 1996].

Canna indica L. in Sp. Pl. 1. 1753; Shah 667. 1978; Raghavan *et al.* 84. 1981; Bole & Pathak, 307. 1988; [GEC, 1996].

Costaceae Nakai

!**Cheilocostus speciosus** (J. König) C. Specht in Taxon 55: 159. 2006; *Costus speciosus* (J.König) Sm. in Trans. Linn. Soc. London 1: 249. 1791; Shah 664. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Musaceae Juss.

Ensete superbum (Roxb.) Cheesman in Kew Bull. 2: 100. 1947; Shah 666. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Musa × paradisiaca L. in Sp. Pl. 1043. 1753; Shah 666. 1978; Bole & Pathak, 309. 1988; [GEC, 1996]; *Musa* × *sapientum* L. in Syst. Nat. ed. 10 2: 1303. 1759; Bole & Pathak, 310. 1988.

Zingiberaceae Martinov

Alpinia nutans (L.) Roscoe in Exot. Bot. 2: 93. 1806; Shah 664. 1978; [GEC, 1996].

Curcuma amada Roxb. in Asiat. Res. 11: 341. 1810; Shah 665. 1978; [GEC, 1996].

Curcuma decipiens Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 144. 1850; Raghavan *et al.* 84. 1981; [GEC, 1996].

Curcuma inodora Blatt. in J. Proc. Asiat. Soc. Bengal 26: 357. 1930; Shah 665. 1978; Raghavan *et al.* 84. 1981; Bole & Pathak, 308. 1988; [GEC, 1996].

Curcuma pseudomontana J. Graham in Cat. Pl. Bombay 210. 1839; Shah 665. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Kaempferia rotunda L. in Sp. Pl. 3. 1753; Raghavan *et al.* 84. 1981; Bole & Pathak, 308. 1988; [GEC, 1996].

Zingiber cernuum Dalzell in Hooker's J. Bot. Kew Gard. Misc. 4: 342. 1852; Shah 666. 1978; Raghavan *et al.* 84. 1981; [GEC, 1996].

Zingiber montanum (J. Koenig) Link ex A. Dietr. in Sp. Pl. 1: 52. 1831; *Zingiber cassumunar* Roxb. in Asiat. Res. 11: 347. 1810; [GEC, 1996].

Zingiber officinale Roscoe in Trans. Linn. Soc. London 8: 348. 1807.

Zingiber roseum (Roxb.) Roscoe in Trans. Linn. Soc. London 8: 348. 1807.

Zingiber zerumbet (L.) Roscoe ex Sm. in Exot. Bot. 2: 105. 1806; [Anon, 2005].

Ceratophyllaceae Gray

Ceratophyllum demersum L. in Sp. Pl. 992. 1753; Shah 649. 1978; Raghavan *et al.* 82. 1981; [GEC, 1996].

Nelumbonaceae A. Rich.

Nelumbo nucifera Gaertn. in Fruct. Sem. Pl. 1: 73. 1788; Shah 57. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Proteaceae Juss.

Grevillea robusta A. Cunn. ex R. Br. in Suppl. Prodr. Fl. Nov. Holl. 24. 1830; Shah 606. 1981; Raghavan *et al.* 76. 1981; [GEC, 1996; Trees of Gujarat, 2008]

Menispermaceae Juss.

Cissampelos pareira L. in Sp. Pl. 2: 1031-1032. 1753; Shah 53. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996]; *Cissampelos pareira* L. var. *hirsuta* (Buch.-Ham. ex DC.) Formanin in Kew Bull. 22: 356. 1968; Raghavan *et al.* 4. 1981.

!**Cocculus hirsutus** (L.) W. Theob. in Burmah ed. 3. 1981. 2: 657 1860; ** *Cocculus hirsutus* (L.) Dielsin in Pflanzenr. 94: 236. 1910; Shah 54. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Cocculus pendulus (J. B. Först. & G. Forst.) Diels in Pflanzenr. 94: 237. 1910; Shah 54. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Cyclea peltata (Lam.) Hook. f. & Thomson in Fl. Ind. 1: 201. 1855; Shah 54. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Stephania japonica (Thunb.) Miers in Ann. Mag. Nat. Hist., ser. 3 18: 14. 1866; Shah 55. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Tinospora cordifolia (Willd.) Miers in Ann. Mag. Nat. Hist., ser. 2 7: 35, 38. 1851; Shah 56. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Tinospora sinensis (Lour.) Merr. in Sunyatsenia 1(4): 193. 1934; Shah 56. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Papaveraceae Juss.

Argemone mexicana L. in Sp. Pl. 1: 508-509. 1753; Shah 58. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Fumaria indica (Haussk.) Pugsley in J. Linn. Soc. Bot. 44: 313. 1919; Shah 59. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Papaver somniferum L. in Sp. Pl. 1: 508. 1753; Shah 58. 1978; Raghavan *et al.* 5. 1981; [GEC, 1996].

Ranunculaceae Juss.

Clematis gouriana Roxb. ex DC. in Syst. Nat. 1: 138-139. 1818; Shah 47. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996].

Clematis hedysarifolia DC. Syst. Nat. 1: 148. 1818; Shah 47. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996].

!Clematis heynei M. A. Rau & al. in Fl. India 1: 67 1993; *Clematis triloba* B. Heyne ex Rothin in Nov. PL. in Sp. 251. 1821; Shah 48. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996].

!Consolida ajacis (L.) Schur Verh. in Mitth. Siebenbürg. Vereins Naturwiss. Hermannstadt 4(3): 47 1853; *Delphinium ajacis* L. in Sp. Pl. 1: 531. 1753; Shah 48. 1978; [GEC, 1996].

Ranunculus sceleratus L. in Sp. Pl. 1: 551. 1753; Shah 48. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996].

Dilleniaceae Salisb.

Dillenia indica L. in Sp. Pl. 1: 535. 1753; [Trees of Gujarat, 2008].

Dillenia pentagyna Roxb. in Pl. Coromandel 1: 21, pl. 20. 1795; Shah 49. 1978; Raghavan *et al.* 4. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Crassulaceae J. St.-Hil.

!**Bryophyllum pinnatum** (Lam.) Oken in Allg. Naturgesch. 3(3): 1966 1841; *Kalanchoe pinnata* (Lam.) Pers. in Syn. Pl. 1: 446. 1805; Raghavan *et al.* 34. 1981.

Haloragaceae R. Br.

Myriophyllum intermedium DC. in Prodr. 3: 69. 1828; Shah 294. 1978; [GEC, 1996].

Myriophyllum oliganthum (Wight & Arn.) f. Muell. in Fragm. 10: 54. 1876; Raghavan *et al.* 34.

Myriophyllum tuberculatum Roxb. in Fl. Ind.. 1981. ed. 1: 471. 1820; *Myriophyllum spathulatum* Blatt. & Hallb. in Journ. Ind. Bot. 2. 44. 1921; Raghavan *et al.* 34. 1981; [GEC, 1996].

Vitaceae Juss.

Ampelocissus latifolia (Roxb.) Planch. in Vigne Amer. Vitic. Eur. 8(1): 374. 1884; Shah 158. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996].

Ampelocissus tomentosa (Roth in Schult.) Planch. Vigne Amer. Vitic. Eur. 8(12): 375. 1884; Shah 158. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996].

Cayratia trifolia (L.) Domin in Biblioth. Bot. 89: 371. 1927; Raghavan *et al.* 18; *Cayratia carnosa* (Lam.) Gagnep. in Notul. Syst. (Paris) 1: 347. 1911; Shah 159. 1978; [GEC, 1996].

Cissus adnata Roxb. in Fl. Ind.. 1981. ed. 1820 1: 423. 1820; Raghavan *et al.* 18. 1981; [GEC, 1996].

!**Cissus javana** DC. in Prodr. 1: 628 1824; *Cissus discolor* Blumein Bijdr. Fl. Ned. Ind. 1: 181. 1825; Raghavan *et al.* 19. 1981; [GEC, 1996].

Cissus quadrangularis L. in Syst. Nat. (ed. 12) 2: 124. 1767; Shah 160. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996]; *Cissus edulis* Dalzell in Hooker's J. Bot. Kew Gard. Misc. 9: 248. 1857; Raghavan *et al.* 19. 1981; [GEC, 1996].

Cissus repanda (Wight & Arn.) Vahl in Symb. Bot. 3: 18. 1794; Shah 160. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996]; *Cissus gigantea* (Bedd.) Planch. in Monogr. Phan. 5: 622. 1887; [Desai, 1992].

!**Cyphostemma setosum** (Roxb.) Alston in Handb. Fl. Ceylon 6(Suppl.): 53 1931; *Cissus setosa* Roxb. in Fl. Ind., ed. 1820 1: 428. 1820; Raghavan *et al.* 19. 1981; [GEC, 1996].

!**Cyphostemma auriculata** (Roxb.) P.Singh & B.V.Shetty in Taxon 35: 596. 1986; *Cayratia auriculata* (Roxb.) Gamble in Fl. Madras 1: 237. 1918; Shah 159. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996].

!**Leea asiatica** (L.) Ridsdale in Bot. Hist. Hort. Malab. 189 189 1980; *Leea edgeworthii* Santapau in Rec. Bot. Surv. India 16(1): 54. 1953; Shah 161. 1978; [GEC, 1996]; *Leea crispa* van Royen ex L. in Mant. Pl. 1: 124. 1767; Raghavan *et al.* 19. 1981; [GEC, 1996].

Leea indica (Burm. f.) Merr. in Philipp. J. Sci. 14(2): 245. 1919; Shah 162. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996].

Leea macrophylla Roxb. ex Hornem. in Hort. Bot. Hafn. 1: 231. 1813; Shah 162. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996]; *Leea cinarea* P. Lawson in Fl. Brit. India 1: 665. 1875; Shah 161. 1978; [GEC, 1996]; *Leea latifolia* Wall. Ex C. B. Cl. in J. Asiat. Soc. Bengal 44(2): 178. 1875; Raghavan *et al.* 19. 1981.

Vitis vinifera L. in Sp. Pl. 1: 202. 1753; Raghavan *et al.* 19. 1981.

Celastraceae R. Br.

Cassine albens (Retz.) Kosterm in Gard. Bull. Singapore 39: 178. 1986; [Trees of Gujarat, 2008].

Cassine glauca (Rottb.) O. Ktze. in Revis. Gen. Pl. 1: 114. 1891; Shah 152. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996].

Celastrus paniculatus Willd. in Sp. Pl. 1: 1125. 1797; Shah 152. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996].

!**Gymnosporia emarginata** (Willd.) Thwaites in Enum. Pl. Zeyl. 409. 1864; *Maytenus emarginata* (Willd.) Ding in Houin Fl. Malesiana, Ser. 1, Spermatoph. 6(2): 241. 1962; Shah 153. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996].

!**Gymnosporia senegalensis** (Lam.) Loes. in Bot. Jahrb. Syst. 17: 541. 1893; *Maytenus senegalensis* (Lam.) Exell in Bol. Soc. Brot., ser. 2, 26: 223. 1952; [Trees of Gujarat, 2008].

Begoniaceae C. Agardh

Begonia crenata Dryand. in Trans. Linn. Soc. London 1: 162. 1791; Shah 332. 1978; [GEC, 1996].

Cucurbitaceae Juss.

Benincasa hispida (Thunb.) Cogn. in Monogr. Phan. 3: 513. 1881; Raghavan *et al.* 37. 1981; [GEC, 1996].

Citrullus colocynthis (L.) Schrad. in Linnaea 12: 414. 1838; Shah 318. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Citrullus lanatus (Thunb.) Matsum. & Nakai in Index Seminum (TI) 1916: 30. 1916; Shah 318. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Coccinia grandis (L.) Voigt in Hort. Suburb. Calcutt. 59. 1845; Shah 319. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Corallocarpus conocarpus (Dalzell & Gibs) C. B. Clarke in Fl. Brit. India 2: 628. 1879; Shah 319. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Corallocarpus epigaeus (Rottler) C. B. Clarke in Fl. Brit. India 2: 628. 1876; Shah 320. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Ctenolepis cerasiformis (Stocks) C.B.Clarke in Ann. Sci. Nat. Bot. ser.5, 6: 13. 1866; *Ctenolepis cerasiformis* (Stocks) Hook. f. in Fl. Trop. Afr. 2: 558. 1871; Shah 320. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Ctenolepis garcini (L.) C. B. Clarke in Fl. Brit. India 2: 629. 1876; Shah 321. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Cucumis leiospermus (Wight & Arn.) Ghebret. & Thulin in Novon 17: 177. 2007; [Patel, 2013].

Cucumis melo L. in Sp. Pl. 1011. 1753; Shah 322. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996]; *Cucumis callosus* (Rottler) Cogn. in Pflanzenr. IV, 275 II: 129. 1924; Shah 321. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996]; *Cucumis melo* var. *momordica* (Roxb.) Duthie & Fuller in Field Garden Crops 2: 50. 1883; [GEC, 1996].

Cucumis prophetarum L. in Cent. Pl. I 32. 1755; Shah 322. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Cucumis sativus L. in Sp. Pl. 1012. 1753; Shah 323. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Cucumis setosus Cogn. in Monogr. Phan. 3: 491. 1881; Shah 323. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Cucurbita maxima Duchesne in Ess. Hist. Nat. Courges 7. 1786; Shah 323. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Cucurbita moschata Duchesne in Ess. Hist. Nat. Courges 7. 1786; Raghavan *et al.* 38. 1981; [GEC, 1996].

Cucurbita pepo L. in Sp. Pl. 1010. 1753; Raghavan *et al.* 38. 1981.

Dactyliandra welwitschii Hook. f. in Fl. Trop. Afr. 2: 557. 1871; Shah 324. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Diplocyclos palmatus (L.) C. Jeffrey in Kew Bull. 15: 352. 1962; Shah 324. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Kedrostis rostrata (Rottler) Cogn. in Monogr. Phan. 3: 636. 1881; Shah 325. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Lagenaria siceraria (Molina) Standl. in Publ. Field Mus. Nat. Hist., Bot. Ser. 3: 435. 1930; Raghavan *et al.* 38 *Lagenaria leucantha* Rusbyin Mem. Torrey Bot. Club 6: 43. 1896; Shah 325. 1978; [GEC, 1996].

Luffa acutangula (L.) Roxb. in Fl. Ind. ed. 1832 3: 713. 1832; Shah 327. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996]; *Luffa acutangula* var. *amara* C.B.Clarke in Fl. Brit. India 2: 615. 1879; Shah 326. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Luffa cylindrica (L.) M. Roem. in Fam. Nat. Syn. Monogr. 2: 63. 1846; Shah 327. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Luffa echinata Roxb. in Fl. Ind. ed. 1832 3: 716. 1832; Shah 327. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Luffa graveolens Roxb. in Fl. Ind. ed. 1832 3: 716. 1832; [Patel, 2013].

Luffa hermaphrodita N. B. Singh & U. C. Bhattach. in Baileya 11: 136. 1964; [Patel, 2013].

Luffa tuberosa Roxb. in Fl. Ind. ed. 1832 3: 717. 1832; Shah 328. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Momordica balsamina L. in Sp. Pl. 1009. 1753; Shah 328. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Momordica charantia L. in Sp. Pl. 1009. 1753; Shah 329. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Momordica cochinchinensis Spreng. in Syst. Veg. 3: 14. 1826; Raghavan *et al.* 38. 1981; [GEC, 1996].

Momordica cymbalaria Hook. f. in Oliv. Fl. Trop. Afr. 2: 540. 1871; [Patel, 2013].

Momordica denudata (Thwaites) C. B. Clarke in Fl. Brit. India 2: 618. 1879; Shah 329. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Momordica dioica Roxb. ex Willd. in Sp. Pl. 4(1): 605. 1805; Shah 329. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Mukia maderaspatana (L.) M. Roem. in Fam. Nat. Syn. Monogr. 2: 47. 1846; Shah 330. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Praecitrullus fistulosus (Stocks) Pangalo in Bot. Zhurn. S.S.S.R. 29: 203. 1944; [Patel, 2013].

!**Solena amplexicaulis** (Lam.) Gandhi in Fl. Hassan District 179. 1976; *Solena heterophylla* Lour. in Fl. Cochinch. 2: 514. 1790; Shah 330. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Trichosanthes anguina L. in Sp. Pl. 2: 1008. 1753; Shah 331. 1978; Raghavan *et al.* 38. 1981; [GEC, 1996].

Trichosanthes cucumerina L. in Sp. Pl. 2: 1008. 1753; Shah 332. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Trichosanthes dioica Roxb. in Fl. Ind. ed. 1832 3: 701. 1832; Shah 332. 1978; [GEC, 1996].

Trichosanthes tricuspidata Lour. in Fl. Cochinch. 2: 589. 1790; [171]; *Trichosanthes bracteata* (Lam.) Voigt in Hort. Suburb. Calcutt. 58. 1845; Shah 331. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Fabaceae Lindl.

Abrus pulchellus Wall ex. Thwaites in Enum. Pl. Zeyl. 2: 91. 1859; [Pandey, 2002].

Abrus precatorius L. in Syst. Nat. (ed. 12) 2: 472. 1767; Shah 176. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Acacia auriculiformis A. Cunn. ex Benth. in London J. Bot. 1: 377. 1842; [Trees of Gujarat, 2008; Meena, 2005].

Acacia bivenosa DC. in Prodr. 2: 452. 1825; [Pandey & Padhye, 2005].

Acacia catechu (L. f.) Willd. in Sp. Pl. 4(2): 1079. 1806; [Trees of Gujarat, 2008].

Acacia chundra (Roxb. Ex Rottl.) Willd. in Sp. Pl., ed. 4(2): 1078. 1806; Shah 281. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

Acacia concinna (Willd.) DC. in Prodr. 2: 464. 1825; [Pandey, 2005].

Acacia eburnea (L. f.) Willd. in Sp. Pl. 4(2): 1081. 1806; Shah 282. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

Acacia farnesiana (L.) Willd. in Sp. Pl. 4(2): 1083-1084. 1806; Shah 282. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Acacia ferruginea DC. in Prodr. 2: 458. 1825; Shah 282. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Acacia jacquemontii Benth. in London J. Bot. 1: 499. 1842; Shah 283. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

Acacia leucophloea (Roxb.) Willd. in Sp. Pl. 4(2): 1083. 1806; Shah 283. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Acacia mangium Willd. in Sp. Pl., ed. 4 4(2): 1053. 1806; [Trees of Gujarat, 2008].

Acacia nilotica (L.) Delile subsp. **adstringens** (Schum. & Thonn.) Roberty in Candollea 11: 150. 1948; [Trees of Gujarat, 2008].

Acacia nilotica (L.) Delile subsp. **cupressiformis** (J. L. Stewart) Ali & Faruqi in Pakistan J. Bot. 1: 4. 1969; [Trees of Gujarat, 2008].

Acacia nilotica (L.) Delile subsp. **indica** (Benth.) Brenan in Kew Bull. 12(1): 85. 1957; Shah 283. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Acacia nilotica (L.) Delile subsp. **subalata** (Vatke) Brenan in Kew Bull. 12(1): 85. 1957; [Pandey, 2002].

Acacia pennata (L.) Willd. in Sp. Pl. 4(2): 1090-1091. 1806; Shah 284. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

Acacia planifrons Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 276. 1834; Shah 284. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Acacia polyacantha Willd. in Sp. Pl. 4(2): 1079-1080. 1806; Shah 285. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Acacia senegal (L.) Willd. in Sp. Pl. 4(2): 1077. 1806; Shah 285. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Acacia sinuata (Lour.) Merr. in Trans. Amer. Philos. Soc., n.s., 24(2): 186-187. 1935; Shah 285. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

Acacia tomentosa Willd. in Sp. Pl. 4(2): 1087. 1806; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008, Reddy & Inamdar, 1990].

Acacia torta (Roxb.) Craib in Bull. Misc. Inform. Kew 1915(9): 410. 1915; Shah 285. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

Acacia tortilis (Forssk.) Hayne subsp. **raddiana** (Savi) Brenan in Kew Bull. 87. 1957; [Pandey, 2002].

Acacia tortilis (Forssk.) Hayne subsp. **Tortilis** in Getreue Darstell. Gew. 10: pl. 31. 1825; [Trees of Gujarat, 2008].

Adenanthera microsperma Teijsm. & Binn. in Nat. Tijschr. Ned. Ind. xxvii. 58. 1864; [Trees of Gujarat, 2008].

Adenanthera pavonina L. in Sp. Pl. 1: 384. 1753; Shah 286. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

Aeschynomene americana L. in Sp. Pl. 2: 713. 1753; [Gohil et al, 2011].

Aeschynomene aspera L. in Sp. Pl. 2: 713. 1753; Raghavan *et al.* 20. 1981; [GEC, 1996].

Aeschynomene indica L. in Sp. Pl. 2: 713-714. 1753; Shah 177. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Albizia amara (Roxb.) B. Boivin in Encycl. 19me Siecle, 2: 34. 1834; Shah 287. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Albizia chinensis (Osbeck) Merr. in Amer. J. Bot. 3(10): 575. 1916 ; Raghavan *et al.* 33. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Albizia lebbeck (L.) Benth. in London J. Bot. 3: 87. 1844; Shah 287. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996; Trees of Gujarat, 2008]; *Albizia lebbeck* var. *rostrata* Haines [Trees of Gujarat, 2008].

Albizia odoratissima (L. f.) Benth. in London J. Bot. 3: 88. 1844; Shah 288. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Albizia procera (Roxb.) Benth. in London J. Bot. 3: 89. 1844; Shah 288. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Albizia saman (Jacq.) Merr. in J. Wash. Acad. Sci. vi. 47. 1916; *Pithecellobium saman* (Jacq.) Benth. in London J. Bot. 3: 216. 1844; *Samanea saman* (Jacq.) Merr. in J. Wash. Acad. Sci. 6: 47. 1916; Shah 293. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Alhagi pseudalhagi (M. Bieb.) Desv. ex B. Keller & Shap. in Sovetsk. Bot. 3-4: 162. 1933; Shah 177. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Alysicarpus bupleurifolius (L.) DC. in Prodr. 2: 352. 1825; Shah 178. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Alysicarpus glumaceus (Vahl) DC. in Prodr. 2: 353. 1825.

!**Alysicarpus hamosus** Edgew. in J. Asiat. Soc. Bengal 21(2): 171. 1852; *Alysicarpus procumbens* Schindl. in Repert. Spec. Nov. Regni Veg. 21: 11. 1925; Shah 180. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Alysicarpus heterophyllus (Baker) Jafri & Ali in Biologia, Lahore 12: 33. 1966; [Pandey & Padhye, 1997].

Alysicarpus heyneanus Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 234. 1834; Shah 179. 1978; [GEC, 1996].

Alysicarpus longifolius (Spreng.) Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 233. 1834; Shah 179. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Alysicarpus monilifer (L.) DC. in Prodr. 2: 353. 1825; Shah 180. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Alysicarpus ovalifolius (Schum.) Leonard in Bull. Jard. Bot. etat Brux. 24(1): 88. 1954; Raghavan *et al.* 20. 1981; [GEC, 1996; Sanjappa & Bhatt, 1979].

Alysicarpus pubescens J. S. Law in Icon. Pl. Ind. Orient. 1: t. 250. 1839; Shah 181. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Alysicarpus rugosus (Willd.) DC. in Prodr. 2: 353. 1825; Shah 181. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Alysicarpus scariosus (Spreng.) Thwaites in Numer. List n. 5766. 1831; Shah 182. 1978; [GEC, 1996]; *Alysicarpus styracifolius* DC. in Prodr. 2: 353. 1825; Raghavan *et al.* 20

Alysicarpus tetragonolobus Edgew. J. in Asiat. Soc. Bengal. 1981. Pt. 2, Nat. Hist. 21: 169. 1853; Shah 182. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Alysicarpus vaginalis (L.) DC. var. **venosa** (Blatt. & Hallb.) A. Pramanik & Thoth. in J. Econ. Taxon. Bot. 12(2): 363. 1989; [Pandey, 2002].

Alysicarpus vaginalis (L.) DC. var. **stocksii** Baker in Fl. Brit. India 2: 158. 1876; Raghavan *et al.* 21. 1981.

Alysicarpus vaginalis (L.) DC. var. **vaginalis** in Prodr. 2: 353. 1825; Shah 182. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Apoplanesia paniculata C. Presl in Symb. Bot. 1: 63, pl. 41. 1831; [Trees of Gujarat, 2008].

Arachis hypogaea L. in Sp. Pl. 2: 741. 1753; Shah 183. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Astragalus fatmensis Hochst. ex Blatter in Fl.Arab.II. in Rec.Bot.Surv. Ind. 8(2):156. 1921; *Astragalus prolixus* auct. non Sieb ex Bungein Baker in Hook. f., Fl.Brit.Ind. 2:121. 1876; Shah 183. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Bauhinia blakeana Dunn in J. Bot. 46: 325. 1908; [Trees of Gujarat, 2008].

Bauhinia foveolata Dalzell in J. Linn. Soc., Bot. 13: 188. 1873; [Trees of Gujarat, 2008]; *Piliostigma foveolatum* (Dalzell) Thoth. in Bull. Bot. Soc. Bengal 19(2): 131. 1967; Shah 277. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

Bauhinia malabarica Roxb. in Hort. Bengal. 31. 1814; [Trees of Gujarat, 2008]; *Piliostigma malabaricum* (Roxb.) Benth. in Pl. Jungh. 2: 261. 1852; Shah 277. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

Bauhinia monandra Kurz in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 42(2): 73. 1873; [Trees of Gujarat, 2008].

Bauhinia purpurea L. in Sp. Pl. 1: 375. 1753; Shah 262. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Bauhinia racemosa Lam. in Encycl. 1(2): 390. 1785; Shah 263. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Bauhinia tomentosa L. in Sp. Pl. 1: 375. 1753; Shah 263. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Bauhinia vahlii** Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 297. 1834; *Phanera vahlii* Benth. in Pl. Jungh. 2: 263. 1852; Raghavan *et al.* 31. 1981; *Bauhinia integrifolia* Roxb. in Hort. Bengal; [90].; Fl. Ind. ii. 331; *Phanera integrifolia* (Roxb.) Benth. in Pl. Jungh. 2: 263. 1852; Shah 276. 1978; [GEC, 1996].

Bauhinia variegata L. var. **candida** (Aiton) Voigt in Hort. Suburb. Calcutt. 253. 1845.

Bauhinia variegata L. var. **variegata** in Sp. Pl. 1: 375. 1753; Raghavan *et al.* 30. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Butea monosperma** (Lam.) Taub. var. **lutea** (Witt.) Maheshwari [Trees of Gujarat, 2008].

Butea monosperma (Lam.) Taub. var. **monosperma** in Nat. Pflanzenfam. 3(3): 366,f. 131M-N. 1894; Shah 185. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Butea parviflora Roxb. in Fl. Ind., ed. 1832 3: 248-249. 1832; Shah 186. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Butea superba Roxb. Asiat. Res. 3: 473-474. 1792; Shah 186. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Caesalpinia coriaria (Jacq.) Willd. in Sp. Pl. 2(1): 532. 1799; Shah 264. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Caesalpinia crista L. in Sp. Pl. 1: 380-381. 1753; Shah 264. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996]; *Caesalpinia bonduc* L. in emend. Dandy & Exellin J. Bot. 76: 175-180. 1938; Raghavan *et al.* 30. 1981.

Caesalpinia decapetala (Roth) Alston in Fl. Ceylon 6: 89. 1931; Shah 265. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996].

Caesalpinia ferrea C. Mart. in Reise Bras. 2: 611; [Trees of Gujarat, 2008].

Caesalpinia pulcherrima (L.) Sw. in Observ. Bot. 166. 1791; Shah 265. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996].

Caesalpinia sappan L. in Sp. Pl. 1: 381. 1753; [Trees of Gujarat, 2008].

Caesalpinia velutina (Britton & Rose) Standl. in Trop. Woods 34: 40. 1933; [Trees of Gujarat, 2008].

Cajanus cajan (L.) Millsp in Publ. Field Columb. Mus., Bot. Ser. 2(1): 53. 1900; Shah 186. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

!**Cajanus goensis** Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 264. 1850; *Atylosia goensis* (Dalzell) Dalzell in J. Linn. Soc., Bot. 13: 186. 1873; [GEC, 1996].

!**Cajanus platycarpus** (Benth.) Maesen in Agric. Univ. Wageningen Pap. 85(4): 160. 1986; *Atylosia platycarpa* Benth. in Pl. Jungh. 2: 243. 1852; Shah 184. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

!**Cajanus scarabaeoides** (L.) Thouars in Dictionnaire des Sciences Naturelle 6. 1817; *Atylosia scarabaeoides* (L.) Benth. in Miq. Pl. Jungh. 242. 1852; Shah 184. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

!**Cajanus sericeus** (Baker) Maesen in Agric. Univ. Wageningen Pap. 85(4): 195. 1986; *Atylosia sericea* Benth. ex Baker f. in Fl. Brit. India 2(4): 213. 1876; Shah 185. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Calliandra haematocephala Hassk. in Retzia 1: 216-219. 1855.

Canavalia cathartica Thouars in J. Bot. Agric. 1: 81. 1813; Raghavan *et al.* 21. 1981; [GEC, 1996]; *Canavalia microcarpa* (DC.) Piper in Proc. Biol. Soc. Wash. 30(43): 176. 1917; Raghavan *et al.* 21. 1981.

Canavalia ensiformis (L.) DC. in Prodr. 2: 404. 1825; Shah 187. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Canavalia gladiata (Jacq.) DC. in Prodr. 2: 404. 1825; Shah 188. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Canavalia rosea (Sw.) DC. in Prod. 2. 1825; Shah 188. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996; Patel, 2013]; *Canavalia maritima* (Aubl.) Thouars in J. Bot. Agric. 1: 80-81. 1813; Shah 188. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Cassia ferruginea (Schrad.) Schrader ex DC. in Prodr. 2: 489. 1825.

Cassia fistula L. in Sp**.** Pl. 1: 377-378. 1753; Shah 268. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Cassia grandis L. f. in Suppl. Pl. 230. 1781 ; [Trees of Gujarat, 2008].

Cassia javanica L. subsp. **Javanica** in Sp. Pl. 1: 379. 1753; Shah 269. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Cassia javanica** L. subsp. **nodosa** (Roxb.) K. Larsen & S. S. Larsen in Nat. Hist. Bull. Siam. Soc. 25: 205. 1974; *Cassia nodosa* Roxb. in Hort. Bengal. ; Fl. Ind. 2. 336. 1832; *Cassia javanica* var. *indochinensis* Gagnep. in H. Lecomte, Fl. Indo-Chine 2:158. 1913; [Trees of Gujarat, 2008].

!**Cassia renigera** Benth. in Trans. Linn. Soc. London 27:518. 1871; *Cassia renigera* Wall. ex Benth. in Trans Linn. Soc. (Bot.). 27: 518. 1871; [Trees of Gujarat, 2008].

Cassia roxburghii DC. in Prodr. 2: 489. 1825; Shah 272. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Chamaecrista absus** (L.) H. S. Irwin & Barneby in Mem. New York Bot. Gard. 35: 664. 1982; *Cassia absus* L. in Sp. Pl. 1: 376. 1753; Shah 267. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996].

!**Chamaecrista kleinii** (Wight & Arn.) V. Singh in J. Econ. Taxon. Bot. 16(3): 600. 1992; *Cassia kleinii* Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 293. 1834; Shah 270. 1978; [GEC, 1996].

!**Chamaecrista leschenaultiana** (DC.) O. Deg. in Fl. Hawaiiensis Fam. 169 b. 1934; *Cassia leschenaultiana* DC. in Mem. Soc. Phys. Genève 2: 132. 1824; Shah 270. 1978; [GEC, 1996].

Chamaecrista mimosoides (L.) Greene in Pittonia 4: 27. 1899; *Cassia mimosoides* L. in Sp. Pl. 1: 379. 1753; Shah 270. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

!**Chamaecrista pumila** (Lam.) K. Larsen in Nordic J. Bot. 13(4): 404. 1993; *Cassia pumila* Lam. in Encycl. 1(2): 651. 1783; Shah 272. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

Cicer arietinum L. in Sp. Pl. 2: 738. 1753; Shah 189. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

!**Clitoria annua** J. Graham in Cinat. Pl. Bombay 47. 1839; *Clitoria biflora* Dalzellin Hooker's J. Bot. Kew Gard. Misc. 2: 35. 1850; Shah 189. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Clitoria ternatea L. forma **albiflora** (Voigt) Fantz in Moscosoa 6: 164. 1990; [Patel, 2013].

Clitoria ternatea L. forma **pleniflora** Fantz in Vulpia, Vol. 4: 42–51. 2005; [Patel, 2013].

Clitoria ternatea L. forma **ternatea** in Sp. Pl. 2: 753. 1753; [Patel, 2013]., Shah 190. 1978; Raghavan *et al.* 21. 1981; [GEC, 1996].

Clitoria ternatea L. var. **pilosula** (Benth.) Baker in Fl. Brit. India 2: 208. 1876; Raghavan *et al.* 21. 1981.

!**Codariocalyx motorius** (Houtt.) H. Ohashi in Journ. Jap. Bot. xl. 367. 1965; *Desmodium motorium* (Houtt.) Merr. in J. Arnold Arbor. 19(4):346. 1938; Raghavan *et al.* 23. 1981; [GEC, 1996].

Colophospermum mopane (J. Kirk ex Benth.) J. Leonard in Trans. Linn. Soc. London 25: 316. 1866; [Trees of Gujarat, 2008].

Colvillea racemosa Bojer in Bot. Mag. 61: pl. 3325-3326. 1834; [Trees of Gujarat, 2008].

Crotalaria albida B. Heyne ex Roth in Nov. PL. in Sp. 333. 1821; Shah 192. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria bifaria L. f. in Suppl. Pl. 322. 1781; Shah 192. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria burhia Buch. -Ham. ex Benth. in Numer. List n. 5386. 1831; Shah 193. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria calycina Schrank in Pl. Rar. Hort. Monac.pl. 12. 1817; Shah 193. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria chinensis L. in Syst. Nat. (ed. 10) 2: 1158. 1759; Shah 193. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria evolvuloides Wight in Prodr. Fl. Ind. Orient. 1: 188 (-189). 1834; Shah 194. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria filipes Benth. in London J. Bot. 2: 475. 1843; Shah 194. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria filipes Benth. var. **trichophora** (Baker) T. Cooke in Fl. Pres. Bombay 1: 293. 1901; Shah 194. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria hebecarpa (DC.) Rudd in Taxon 16: 463. 1967; *Goniogyna hirta* (Willd.) Ali in Taxon 16: 463. 1967; Shah 214. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996].

Crotalaria hirsuta Willd. in Sp. Pl. 3(2): 978. 1802; Shah 194. 1978; [GEC, 1996].

Crotalaria juncea L. in Sp. Pl. 2: 714. 1753; Shah 195. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria leptostachya Benth. in London J. Bot. 2: 562. 1843; Shah 195. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria linifolia L. f. in Suppl. Pl. 322. 1781; Shah 195. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria medicaginea Lam. in Encycl. 2(1): 201. 1786; Shah 196. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria medicaginea Lam. var. **luxurians** (Benth.) Baker in Fl. Brit. India 2: 81. 1876; Raghavan *et al.* 22. 1981.

Crotalaria mysorensis Roth in Nov. PL. in Sp. 338. 1821; Shah 196. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria nana Burm. f. in Fl. Indica 156, pl. 48,f. 2. 1768; Shah 196. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria notonii Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 192. 1834; Shah 197. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria orixensis Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 217. 1803; Shah 197. 1978; Raghavan *et al.* 22. 1981.

Crotalaria pallida Aiton in Hort. Kew. 3: 20-21. 1789; Raghavan *et al.* 22. 1981; [Gohil, 2006].

Crotalaria prostrata Rottler ex Willd. in Enum. Pl. 2: 747. 1809; Shah 197. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria pusilla B. Heyne ex Roth in Nov. PL. in Sp. 335. 1821; Shah 198. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria retusa L. in Sp. Pl. 2: 715. 1753; Shah 198. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria spectabilis Roth in Nov. PL. in Sp. 341-342. 1821; Shah 198. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria triquetra Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 34. 1850; Shah 199. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Crotalaria verrucosa L. in Sp. Pl. 2: 715. 1753; Shah 199. 1978; [GEC, 1996].

Crotalaria vestita Baker in Fl. Brit. India 2(4): 67. 1876; Shah 199. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

!**Cullen corylifolium** (L.) Medik. in Vorles. Churpfälz. Phys.-Öcon. Ges. ii. (1787) 381; *Psoralea corylifolia* L. in Sp. Pl. 2: 764. 1753; Shah 236. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

!**Cullen plicatum** (Delile) C. H. Stirt. in Bothalia 13(3–4): 317. 1981; *Psoralea plicata* Delile in Descr. egypte, Hist. Nat. 252, pl. 37,f. 3; Shah 236. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Cyamopsis tetragonoloba (L.) Taub. in Nat. Pflanzenfam. 3(3): 259. 1894; Shah 200. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

!**Dalbergia horrida** (Dennst.) Mabb. in Taxon 26(56): 538. 1977; *Dalbergia sympathetica* Nimmo ex Grah. in Cat. Pl. Bombay 55. 1839; Shah 202. 1978; [GEC, 1996].

Dalbergia lanceolaria L. f. subsp. **lanceolaria** in Suppl. Pl. 316. 1782; Shah 201. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Dalbergia lanceolaria L. f. subsp. **paniculata** (Roxb.) Thoth. in Bull. Bot. Surv. India 25(1–4): 171. 1983; [Trees of Gujarat, 2008]; *Dalbergia paniculata* Roxb. in Pl. Coromandel 2: 8, pl. 114. 1800; Shah 202. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996].

Dalbergia latifolia Roxb. in Pl. Coromandel 2: 7, pl. 113. 1798; Shah 201. 1978; Raghavan *et al.* 22. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Dalbergia sissoo** Roxb. ex DC. in Prodr. 2: 416. 1825; ** *Dalbergia sissoo* Roxb. in Fl. Ind. 3: 223. 1832; Shah 202. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Dalbergia volubilis Roxb. in Pl. Coromandel 2: 48, pl. 191; Shah 203. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Delonix elata (L.) Gamble in Fl. Madras 32. 1919; Shah 274. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Delonix regia (Bojer ex Hook.) Raf. in Fl. Tellur. 2: 92. 1836 ; Shah 275. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Dendrolobium triangulare** (Retz.) Schindl. in Repert. Spec. Nov. Regni Veg. 20: 279. 1924; *Desmodium triangulare* (Retz.) Merr. in J. Arnold Arbor. xxiii. 170. 1942; Raghavan *et al.* 23. 1981; *Desmodium triangulare* var. *congestum* (Prain) Santapau in Kew Bull. 3(2): 276. 1948; Shah 209. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

!**Dendrolobium umbellatum** (L.) Benth. Pl. Jungh. 218. 1852; *Desmodium umbellatum* (L.) DC. in Prodr. 2: 325-326. 1825; Raghavan *et al.* 24. 1981; [GEC, 1996].

Derris scandens (Roxb.) Benth. in J. Linn. Soc., Bot. 4(Suppl.): 104. 1860; Shah 204. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Derris trifoliata Lour. in Fl. Cochinch. 2: 433. 1790; [GEC, 1996; Shah & Bhatt, 2008, Patel *et al.*, 1985].

Desmanthus virgatus (L.) Willd. in Sp. Pl., ed. 4: 4(2): 1047. 1806.

!**Desmodiastrum belgaumense** (Wight) A. Pramanik & Thoth. in J. Ind. Bot. Soc. 65(4): 375. 1986; *Alysicarpus belgaumensis* Wight in Icon. Pl. Ind. Orient. pl. 92. 1840; Shah 178. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

!**Desmodiastrum racemosum** (Benth.) A. Pramanik & Thoth. var. **racemosum** in J. Ind. Bot. Soc. 65(4): 376. 1986; *Alysicarpus racemosus* Benth. in Linnaea 24: 642. 1851; Shah 181. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

!**Desmodiastrum racemosum** (Benth.) A. Pramanik & Thoth. var. **rotundifolium** (Baker) A. Pramanik & Thoth. in J. Ind. Bot. Soc. 65(4): 378. 1986; *Desmodium rotundifolium* Baker in Fl. Brit. India 2(4): 172. 1876; Shah 209. 1978; [GEC, 1996]; *Alysicarpus beddomei* Schindl. in Repert. Spec. Nov. Regni Veg. 23: 353. 1927; Raghavan *et al.* 20. 1981.

Desmodium alysicarpoides Meeuwen in Reinwardtia 6: 246. 1962; Shah 206. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Desmodium dichotomum (Willd.) DC. in Prodr. 2: 336. 1825; Shah 206. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Desmodium dolabriforme Benth. in Pl. Jungh. 2: 226. 1852; Raghavan *et al.* 23. 1981; [GEC, 1996].

Desmodium gangeticum (L.) DC. in Prodr. 2: 327. 1825; Shah 206. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996]; *Desmodium gangeticum* var. *maculatum* (L.) Baker in Fl. Brit. India 2(4): 168. 1876; Shah 207. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Desmodium heterocarpon (L.) DC. in Prodr. 2: 337. 1825; Shah 207. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Desmodium laxiflorum DC. in Ann. Sci. Nat. (Paris) 4: 100. 1825; Shah 207. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Desmodium neomexicanum A. Gray in Smithsonian Contr. Knowl. 3(5): 53. 1852; Shah 208. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Desmodium oojeinense (Roxb.) H. Ohashi in Ginkgoana 1: 117. 1973; [Trees of Gujarat, 2008]; *Ougeinia oojeinensis* Hochr. in Bull. Soc. Bot. Genève 13-14: 51. 1909; Shah 234. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Desmodium procumbens (Mill.) Hitchc. in Rep. Missouri Bot. Gard. 4: 76. 1893; [Pandey, 2002].

Desmodium renifolium (L.) Schindl. in Repert. Spec. Nov. Regni Veg. 22: 262. 1926; Shah 208. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Desmodium scorpiurus (Sw.) Desv. in J. Bot. (Desvaux) 1: 122. 1813; [Patel, 2013].

Desmodium triflorum (L.) DC. in Prodr. 2: 334. 1825; Shah 210. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Desmodium velutinum (Willd.) DC. in Prodr. 2: 328. 1825; Shah 210. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996].

Dichrostachys cinerea (L.) Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 271. 1834; Shah 288. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Dolichos trilobus L. in Sp. Pl. 2: 726. 1753; Shah 211. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996].

Dunbaria glandulosa (D. & G.) Prain in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66: 433. 1897; Shah 211. 1978; [GEC, 1996].

!**Eleiotis monophyllos** (Burm. f.) DC. in Prodr. 2:348. 1825; ## *Eleiotis monophylla* (Burm. f.) DC. in Mem. Legum. 7: 350. 1825; Shah 212. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996].

!**Endosamara racemosa** (Roxb.) R. Geesink in Leiden Bot. Ser. 8: 93. 1984; *Millettia racemosa* Benth. in Pl. Jungh. 2: 249. 1852; Shah 231. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

!**Entada rheedei** Spreng. in Syst. Veg. (ed. 16) 2: 325. 1825; *Entada pursaetha* DC. in Prodr. 2: 245. 1825; [GEC, 1996; Reddy, 1990].

Erythrina blakei R. Parker in Forest fl. Punjab ed. 1:159. 1918; [Trees of Gujarat, 2008].

Erythrina stricta Roxb. in Fl. Ind., ed. 1832 3: 251-252. 1832; Raghavan *et al.* 24. 1981.

Erythrina suberosa Roxb. in Hort. Bengal. 53. 1814; Shah 212. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Erythrina variegata L. in Herb. Amb. 10. 1754; Shah 213. 1978; [GEC, 1996; Trees of Gujarat, 2008]; *Erythrina variegata* L. var. picta (L.) Blatter & Millard [Trees of Gujarat, 2008]; *Erythrina variegata* var. *alba* (W. S. Millard & E. Blatter) M.R.Almeida in Fl. Maharashtra 2: 75. 1998; [Trees of Gujarat, 2008].

Flemingia lineata (L.) Roxb. ex W. T. Aiton in Hort. Kew. 4. 1812; Raghavan *et al.* 24. 1981; [GEC, 1996]; *Moghania lineata* (L.) Kuntze in Revis. Gen. Pl. 1: 199. 1891; Shah 232. 1978; [GEC, 1996].

Flemingia macrophylla (Willd.) Kuntze ex Merr. var. **macrophylla** in Philipp. J. Sci., C 5: 130. 1910; Raghavan *et al.* 24. 1981; [GEC, 1996]; *Moghania macrophylla* (Willd.) Kuntze in Revis. Gen. Pl. 1: 199. 1891; Shah 233. 1978; [GEC, 1996].

!**Flemingia macrophylla** (Willd.) Prain ex Merrill. var. **robusta** Muk. in Bull. Bot. Soc. Beng. 6: 19. 1953; *Flemingia macrophylla* (Willd.) Kuntze ex Merr. var. *robusta* (Mukerjee) M. R. Almeida in Fl. Maharashtra 2: 79. 1998; Raghavan *et al.* 24. 1981; *Moghania praecox* var. *robusta* Mukerjee in Bull. Bot. Soc. Bengal 62: 203. 1965; Shah 233. 1978; [GEC, 1996].

Flemingia macrophylla (Willd.) Kuntze ex Merr. var. **praecox** Clarke ex Prain in J. As. Soc. Beng. 66: 439. 1897; Raghavan *et al.* 24. 1981.

Flemingia strobilifera (L.) W. T. Aiton in Hortus Kew. ed. 2. 4: 350. 1812; Raghavan *et al.* 24. 1981; [GEC, 1996]; *Moghania strobilifera* (L.) J. St.-Hil. ex Kuntze in J. Bot. Appl. (Desvaux) 1: 62. 1813; Shah 233. 1978; [GEC, 1996].

Flemingia tuberosa Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 34. 1850; Raghavan *et al.* 24. 1981; [GEC, 1996]; *Moghania tuberosa* (Dalzell) Kuntze in Revis. Gen. Pl. 1: 199. 1891; [GEC, 1996].

Flemingia wallichii Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 242. 1834; *Moghania wallichii* (Wight & Arn.) Kuntze in Revis. Gen. Pl. 1: 199. 1891; [GEC, 1996].

Galactia tenuiflora (Willd.) Wight & Arn. in Prodr. fl. Ind. orient. 206. 1834; [Patel, 2013].

Geissaspis cristata Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 218. 1834; Shah 213. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996].

Gleditsia triacanthos L. in Sp. Pl. 2: 1056-1057. 1753; [Trees of Gujarat, 2008].

Gliricidia sepium (Jacq.) Kunth ex Walp. in Repert. Bot. Syst. 1(4): 679. 1842; Shah 214. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Hardwickia binata Roxb. in Pl. Coromandel 3: 6, pl. 209. 1819; Shah 275. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Hylodesmum repandum** (Vahl) H. Ohashi & R. R. Mill in Edinburgh J. Bot. 57(2): 185. 2000; *Desmodium repandum* (Vahl) DC. in Prodr. 2: 334. 1825; Shah 209. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Indigofera angulosa Edgew. in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 21: 168. 1853; Shah 217. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996].

Indigofera argentea Burm. f. in Fl. Indica 171. 1768; Raghavan *et al.* 24. 1981; [GEC, 1996].

Indigofera astragalina DC. in Prodr. 2: 228. 1825; Shah 218. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996].

Indigofera cassioides Rottler ex DC. in Prodr. 2: 225. 1825; Shah 219. 1978; [GEC, 1996].

Indigofera coerulea Roxb. var. **monosperma** (Santapau) Santapau in Fl. Saur. 1: 130. 1962; Shah 218. 1978; Raghavan *et al.* 24. 1981; [GEC, 1996].

Indigofera coerulea Roxb. var. **occidentalis** J.B.Gillett & Ali in Kew Bull., Addit. Ser. 1: 102. 1958; Shah 218. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera colutea (Burm. f.) Merr. in Philipp. J. Sci. 19(3): 355. 1921; Shah 219. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera constricta (Thwaites) Trimen in Cat. Pl. Ceylon. 23. 1885; Shah 220. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera cordifolia B. Heyne ex Roth in Nov. PL. in Sp. 357. 1821; Shah 220. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera dalzellii T. Cooke in Fl. Pres. Bombay 311. 1902; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera glabra L. in Sp. Pl. 2: 751. 1753; Shah 220. 1978; [GEC, 1996].

Indigofera glandulosa Roxb. ex Willd. in Sp. Pl. 3(2): 1227. 1802; Shah 221. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera hirsuta L. in Sp. Pl. 2: 751. 1753; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera hochstetteri Baker in Fl. Trop. Afr. 2: 101. 1871; Shah 221. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

!**Indigofera karnatakana** Sanjappa in Taxon 32(1): 120. 1983; *Indigofera tenuifolia* Rottler ex Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 200. 1834; Shah 224. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera linifolia (L. f.) Retz. in Observ. Bot. 4: 29. 1786; Shah 222. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996]; *Indigofera linifolia* var. *campbellii* Wight ex Baker in Fl. Brit. India 2: 93. 1876; Shah 221. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera linnaei Ali in Bot. Not. 111: 549. 1958; Shah 222. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera oblongifolia Forssk. in Fl. Aegypt.-Arab. 137. 1775; Shah 222. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera parviflora F. Heyne ex Hook. & Arn. in Prodr. Fl. Ind. Orient. 1: 201. 1834; Shah 223. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera prostrata Willd. in Sp. Pl. 3(2): 1226. 1802; Shah 223. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera sessiliflora DC. in Prodr. 2: 228. 1825; Shah 223. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera spicata Forssk. in Fl. Aegypt.-Arab. 138. 1775; Shah 224. 1978; [GEC, 1996].

Indigofera suffruticosa Mill. in Gard. Dict. (ed. 8) no. 2. 1768; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera tinctoria L. in Sp. Pl. 2: 751. 1753; Shah 224. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera trifoliata L. in Cent. Pl. II 29. 1756; Shah 225. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera trita L. var. **maffei** (Chiov.) Ali in Bot. Notiser. 111:559. 1958; Shah 225. 1978; [GEC, 1996]; *Indigofera oreophila* Santapau & Panthaki in J. Bombay Nat. Hist. Soc. 54: 221. 1956; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera trita L. var. **trita** in Suppl. Pl. 335. 1781; Shah 225. 1978; Raghavan *et al.* 25. 1981; [GEC, 1996].

Indigofera uniflora Buch. -Ham. ex Roxb. in Hort. Bengal. 57. 1814; Raghavan *et al.* 25. 1981; [GEC, 1996].

Lablab purpureus (L.) Sweet in Hort. Brit. 481. 1826; Shah 226. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Lathyrus aphaca L. in Sp. Pl. 2: 729. 1753; Shah 227. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Lathyrus odoratus L. in Sp. Pl. 2: 732. 1753; Shah 227. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Lathyrus sativus L. in Sp. Pl. 2: 730. 1753; Shah 227. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Leucaena leucocephala (Lam.) de Wit in Taxon 10(2): 54. 1961; Shah 289. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Lotus garcinii DC. in Prodr. 2: 212. 1825; Shah 228. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Lupinus albus L. in Sp. Pl. 2: 721. 1753; Shah 228. 1978; [GEC, 1996].

!**Lysiloma latisiliquum** (L.) Benth. in Trans. Linn. Soc. London 30: 534. 1875; *Leucaena latisiliqua* (L.) Gillis in Taxon 23(1): 190. 1974; Raghavan *et al.* 26. 1981.

Macrotyloma uniflorum (Lam.) Verdc. in Kew Bull. 24(2): 322. 1970.

Macroptilium atropurpureum (DC.) Urb. in Symb. Antill. (Urban). 9(4): 457. 1928; [253].

Medicago laciniata All. DC. in Prod. 2. 180. 1825; Shah 229. 1978; [GEC, 1996].

Medicago lupulina L. in Sp. Pl. 2: 779. 1753; Shah 229. 1978; [GEC, 1996].

Medicago polymorpha L. in Sp. Pl. 2: 779. 1753; Shah 229. 1978; [GEC, 1996].

Medicago sativa L. in Sp. Pl. 2: 778-779. 1753; Shah 230. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

!**Melilotus albus** Medik. in Vorles. Churpfälz. Phys.-Okon. Ges. 2: 382. 1787; ## *Melilotus alba* Lam. in Encycl. 4: 63. 1789; Shah 230. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

!**Melilotus indicus** (L.) All. in Fl. Pedem. 1: 308. 1785; ## *Melilotus indica* (L.) All. in Fl. Pedem. 1: 308. 1785; Shah 230. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

!**Millettia extensa** Benth. ex Baker in Fl. Brit. India 2: 109. 1876; *Millettia auriculata* Baker in Brand. For. Fl. Ind. 138; Shah 231. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Millettia peguensis Ali in Kew Bull. 21(3): 489-490. 1968; [Trees of Gujarat, 2008].

Mimosa hamata Willd. in Sp. Pl., (ed.4) 4(2): 1033. 1806; Shah 290. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996].

Mimosa pudica L. in Sp. Pl. 1: 518. 1753; Shah 290. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996].

Mimosa rubicaulis Lam. in Encycl. 1(1): 20. 1783; Shah 290. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996].

!**Moullava spicata** (Dalzell) Nicolson in Bot. Hist. Hort. Malabaricus 184. 1980; *Wagatea spicata* (Dalzell) Wight in Hooker's J. Bot. Kew Gard. Misc. 3: Cf. 89. 1851; Shah 278. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996].

!**Mucuna pruriens** (L.) DC. in Prodr. 2: 405. 1825 Raghavan *et al.* 26. 1981; [GEC, 1996]; ## *Mucuna prurita* Hook. in Bot. Mag. pl. 4945. 1856; Shah 234. 1978.

Neonotonia wightii (Graham ex Wight & Arn.) J. A. Lackey. in Phytologia 37: 210. 1977; Raghavan *et al.* 26. 1981; *Glycine wightii* (Graham ex Wight & Arn.) Verdc. in Taxon 15(1): 35. 1966; Shah 214. 1978; [GEC, 1996].

Neptunia oleracea Lour. in Fl. Cochinch. 2: 654. 1790; Shah 291. 1978; [GEC, 1996]; *Neptunia natans* (L. f.) Druce. in Rep. Bot. Exch. Cl. Brit. Isles 1916. 1981. 637. 1917; Raghavan *et al.* 33. 1981.

Neptunia plena (L.) Benth. in J. Bot. (Hooker) 4(31): 355. 1841; Raghavan *et al.* 33. 1981; [GEC, 1996].

Neptunia triquetra (Willd.) Benth. in J. Bot. (Hooker) 4(31): 355. 1841; Shah 291. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996].

Paracalyx scariosus (Roxb.) Ali in Univ. Stud. (Karachi) 5: 95. 1968; Raghavan *et al.* 26.1981. *Cylista scariosa* Roxb. in Pl.Corom. 1: 64.t.92. 1795; Shah 200. 1978; [GEC, 1996].

Parkia biglandulosa Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 279. 1834; [Trees of Gujarat, 2008].

Parkinsonia aculeata L. in Sp. Pl. 1: 375. 1753; Shah 275. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Peltophorum pterocarpum (DC.) Backer ex K. Heyne in Nutt. Pl. Ned.-Ind. (ed. 2) 2: 755. 1927; Shah 276. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Phaseolus vulgaris L. in Sp. Pl. 2: 723. 1753; Shah 234. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Pisum sativum L. in Sp. Pl. 2: 727. 1753; Shah 235. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Pithecellobium dulce (Roxb.) Benth. in London J. Bot. 3: 213. 1844; Shah 291. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Pongamia pinnata (L.) Pierre in Fl. Forest. Cochinch. 3(fasc. 25): ad t. 385. 1899; [Trees of Gujarat, 2008]; *Derris indica* (Lam.) Benn. in J. Bombay Nat. Hist. Soc. 68(1): 303. 1971; Shah 203. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Prosopis chilensis (Molina) Stuntz in U.S.D.A. Bur. Pl. Industr. Invent. Seeds 31: 85. 1914; Raghavan *et al.* 33. 1981.

Prosopis cineraria (L.) Druce in Bot. Exch. Club Soc. Brit. Isles 3: 422. 1914; Shah 292. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Prosopis farcta** (Sol. ex Russell) J. f. Macbr. in Contr. Gray Herb. 59: 17. 1919; *Prosopis stephaniana* (Willd.) Kunth ex Spreng. in Syst. Veg. (ed. 16) 2: 326. 1825; Shah 293. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Prosopis glandulosa Torr. in Ann. Lyceum Nat. Hist. New York 2(6): 192. 1827; [Trees of Gujarat, 2008; 182].

Prosopis juliflora (Sw.) DC. in Prodr; [A. P. de Candolle]; 2: 447. 1825; Shah 293. 1978; [Trees of Gujarat, 2008].

Pseudarthria viscida (L.) Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 209. 1834; Shah 235. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996].

Psophocarpus tetragonolobus (L.) DC. in Prodr. 2: 403. 1825; [Patel, 2013].

Pterocarpus marsupium subsp. **acuminatus** (Prain) Thoth. in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66(2): 455. 1897; Shah 236. 1978; Raghavan *et al.* 26. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Pterocarpus santalinus L. f. in Suppl. Pl. 318. 1781; [Trees of Gujarat, 2008].

Pueraria lobata (Willd.) Ohwi in Bull. Tokyo Sci. Mus. 18: 16. 1947; Shah 237. 1978; [GEC, 1996]; *Pueraria triloba* Makino in Linuma Somoku-Dzusetsu, ed. 3 3: 954. 1912; Raghavan *et al.* 26. 1981.

Pueraria tuberosa (Roxb. ex Willd.) DC. in Ann. Sci. Nat.. 1981. Bot. 4: 97. 1825; Shah 237. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996].

Rhynchosia aurea (Willd.) DC. in Prodr. 2: 386. 1825; Shah 238. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996].

Rhynchosia bracteata Benth. ex Baker f. in Fl. Brit. India 2(4): 225. 1876; Shah 238. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996].

Rhynchosia capitata (B. Heyne ex Roth) DC. in Prodr. 2: 386. 1825; Raghavan *et al.* 27. 1981.

Rhynchosia hirta (Andrews) Meikle & Verdc. in Taxon 16: 462. 1967; Raghavan *et al.* 27. 1981; [GEC, 1996].

Rhynchosia minima (L.) DC. var. **laxiflora** (Camb.) Baker in Hook. f. Fl. Brit. India 2: 223. 1876; Shah 239. 1978; Raghavan *et al.* 27. 1981.

Rhynchosia minima (L.) DC. var. **minima** in Prodr. 2: 385. 1825; Shah 239. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996]; *Rhynchosia minima* (L.) DC. var. *memnonia* (Delile) Cooke in Fl. Bombay 1: 389. 1902; Raghavan *et al.* 27. 1981.

Rhynchosia pulverulenta Stocks in Hooker's J. Bot. Kew Gard. Misc. 4: 147. 1852; [GEC, 1996].

Rhynchosia rothii Benth. ex Aitchison in Cat. Pl. Punjab. 50. 1869; Shah 239. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996].

Rhynchosia schimperi Hochst. ex Boiss. in Fl. Orient. 2: 626; [pandey *et al.*, 2011].

Rhynchosia viscosa (Roth) DC. in Prodr. 2: 387. 1825; Shah 240. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996].

Rothia indica (L.) Druce in Bot. Exch. Club Soc. Brit. Isles 3: 423. 1914; Shah 240. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996].

Saraca asoca (Roxb.) De Wilde in Blumea 15: 393. 1968; Shah 277. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Senna alata** (L.) Roxb. in Fl. Ind. 2. 1824. *Cassia alata* L. in Sp. Pl. 1: 378. 1753; Raghavan *et al.* 31. 1981; [GEC, 1996].

!**Senna alexandrina** Mill. in Gard. Dict., ed. 8. n. 1. 1768; *Cassia angustifolia* Vahl in Symb. Bot. 1: 29. 1790; Shah 268. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

!**Senna auriculata** (L.) Roxb. in Fl. Ind. ii. 349; *Cassia auriculata* L. in Sp. Pl. 1: 379. 1753; Shah 268. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

Senna fruticosa (Mill.) H. S. Irwin & Barneby in Mem. New York Bot. Gard. 35: 121. 1982; [Pandey, 2005].

!**Senna holosericea** (Fresen.) Greuter in Willdenowia 15(2): 429. 1986; *Cassia holosericea* Fresen. in Flora 22(1): 54. 1839; Shah 269. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

Senna italica Mill. subsp. **italica** in Gard. Dict., ed. 8. n. 2. 1768; *Cassia italica* (Mill.) Lam. ex F. W. Andrews in Fl. Pl. Anglo-Egyptian Sudan 2: 117. 1952; Raghavan *et al.* 31. 1981; [GEC, 1996].

!**Senna italica** Mill. subsp. **micrantha** (Brenan) Lock in Kew Bull. 43(2): 339. 1988; [Pandey, 2005]; *Cassia italica* subsp. *micrantha* Brenan in Kew Bull. 13: 241. 1958; Shah 269. 1978; [GEC, 1996].

!**Senna montana** (Roth) V. Singh in J. Econ. Taxon. Bot. 16(3): 600. 1992; *Cassia montana* B.Heyne ex Roth in Nov. PL. in Sp. 214. 1821; Shah 271. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Senna obtusifolia** (L.) H. S. Irwin & Barneby in Mem. New York Bot. Gard. 35: 252. 1982; *Cassia obtusifolia* L. in Sp. Pl. 1: 377. 1753; Shah 271. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

!**Senna occidentalis** (L.) Link in Handbuch 2: 140. 1831; *Cassia occidentalis* L. in Sp. Pl. 1: 377. 1753; Shah 271. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

Senna siamea (Lam.) H. S. Irwin & Barneby in Mem. New York Bot. Gard. 35(1): 98. 1982; [Trees of Gujarat, 2008]; *Cassia siamea* Lam. in Encycl. 1(2): 648-649. 1785; Shah 272. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

!**Senna sophera** (L.) Roxb. var. **purpurea** (Lindl.) V. Singh in J. Econ. Taxon. Bot. 16(3): 600. 1992; *Cassia sophera* var. *purpurea* (Lindl.) Baker in Fl. Brit. India 2: 263.1878; Raghavan *et al.* 31. 1981; [GEC, 1996].

!**Senna sophera** (L.) Roxb. var. **sophera** in Fl. Ind. 2: 347. 1832; *Cassia sophera* L. in Sp. Pl. 1: 379. 1753; Shah 272. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

Senna spectabilis (DC.) H. S. Irwin & Barneby in Mem. New York Bot. Gard. 35: 600. 1982; [Trees of Gujarat, 2008].

Senna surattensis (Burm. f.) H. S. Irwin & Barneby in Mem. New York Bot. Gard. 35(1): 81. 1982; [Trees of Gujarat, 2008]; *Cassia surattensis* Burm. f. in Fl. Indica 97. 1768; Shah 273. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

!**Senna tora** (L.) Roxb. in Fl. Ind. ii. 340. 1832; *Cassia tora* L. in Sp. Pl. 1: 376. 1753; Shah 274. 1978; Raghavan *et al.* 31. 1981; [GEC, 1996].

Senna uniflora (Mill.) H. S. Irwin & Barneby in Mem. New York Bot. Gard. 35: 258. 1982; [Meena *et al.*, 2011, pandey 2002].

Sesbania bispinosa (Jacq.) W. Wight in U.S.D.A. Bur. Pl. Industr. Bull. 137: 15; Shah 241. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996].

Sesbania cannabina (Retz.) Pers. in Syn. Pl. 2(2): 316. 1807; Shah 241. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996].

Sesbania concolor J. B. Gillett in Kew Bull. 17(1): 142-143. 1963; Raghavan *et al.* 27. 1981; [GEC, 1996].

Sesbania grandiflora (L.) Pers. in Syn. Pl. 2(2): 316. 1807; Shah 242. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Sesbania javanica Miq. in Fl. Ned. Ind. 1(1): 288. 1855; Shah 242. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Sesbania procumbens Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 215. 1834; Raghavan *et al.* 27. 1981; [GEC, 1996].

Sesbania sesban (L.) Merr. var. **bicolor** (Wight & Arn.) f. W. Andrews in Fl. Pl. Sudan 2: 232; Shah 242. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Sesbania sesban (L.) Merr. var. **picta** Santapau in Pl. Saur. 263. 1953; Raghavan *et al.* 27. 1981.

Sesbania sesban (L.) Merr. var. **sesban** in Philipp. J. Sci.. 1981. C 7: 235. 1912; Shah 242. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Shuteria involucrata** (Wall.) Wight & Arn. var. **glabrata** (Wight & Arn.) H. Ohashi in J. Jap. Bot. 50(10): 305. 1975; *Shuteria vestita* Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 207; [GEC, 1996].

Smithia bigemina Dalzell in Hooker's J. Bot. Kew Gard. Misc. 3: 208. 1851; Shah 244. 1978; Raghavan *et al.* 27. 1981; [GEC, 1996].

Smithia conferta Sm. in Cycl. 33: Smithia n. 2. 1816; Shah 244. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

!**Smithia laxiflora** Wight & Arn. in Pl. Jungh. 211; *Smithia sensitiva* var. *flava* (Prain) T.Cooke in Fl. Pres. Bombay 1: 336. 1902; Shah 244. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Smithia salsuginea Hance in J. Bot. 7: 164. 1869; Shah 244. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Smithia sensitiva Aiton in Hort. Kew. 3: 496–497. 1789; Shah 245. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Smithia setulosa Dalzell in Hooker's J. Bot. Kew Gard. Misc. 3: 208. 1851; Shah 245. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Sophora tomentosa L. in Sp. Pl. 1: 373. 1753; Raghavan *et al.* 28. 1981; [GEC, 1996].

Stylosanthes fruticosa (Retz.) Alston in Trimen, Hand-Book Fl. Ceylon vi. Suppl., 77. 1931; [171, 182]; *Stylosanthes mucronata* Willd. in Sp. Pl., ed. 4 3(2): 1166. 1802.

Stylosanthes hamata (L.) Taub. in Verh. Bot. Brand. xxxii. 22. 1890; et in Bull. Herb. Boiss. 3. 614. 1895; [Nagar & Padey, 2002].

!**Tadehagi triquetrum** (L.) H. Ohashi. in Ginkgoana 1: 290. 1973; *Desmodium triquetrum* (L.) DC. in Prodr. 2: 326. 1825; Shah 210. 1978; Raghavan *et al.* 23. 1981; [GEC, 1996].

Tamarindus indica L. in Sp. Pl. 1: 34. 1753; Shah 278. 1978; Raghavan *et al.* 32. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Taverniera cuneifolia (Roth) Arn. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18(1): 332. 1836; Shah 245. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996]; *Taverniera glabra* Boiss. in Diagn. Pl. Orient. ser. 1, 2: 90. 1843; [Pandey, 2002].

Tephrosia apollinea Link. in DC. Prod. 2: 254 .1825; Shah 247. 1978; [GEC, 1996].

Tephrosia candida (Roxb.) DC. in Prodr. 2: 249. 1825; Shah 247. 1978; Raghavan *et al.* 28. 1981.

Tephrosia collina Sharma var. **collina** in J. Bombay Nat. Hist. Soc. lx. 755. 1964; Shah 248. 1978; Raghavan *et al.* 28. 1981.

Tephrosia collina Sharma var. **lanuginocarpa** Sharma in J. Bombay Nat. Hist. Soc. 60: 754-759. 963; [GEC, 1996, Nagar, 2007].

Tephrosia falciformis Ramaswami in J. Proc. Asiat. Soc. Bengal 12(3): 125. 1916; [Meena, 2007].

Tephrosia hamiltonii J. R. Drumm. in Gamble. 1981. Fl. Madras 320. 1918; Shah 248. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Tephrosia hookeriana Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 212. 1834; [Parmar, 2006].

Tephrosia jamnagarensis Santapau in Proc. Natl. Inst. Sci. India, Pt. B, Biol. Sci. 24: 133. 1958; Shah 248. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Tephrosia pentaphylla (Roxb.) G. Don in Hort. Brit., ed. 3: 170. 1839; [Parmar, 2006].

Tephrosia pumila (Lam.) Pers. in Syn. Pl. 2(2): 330. 1807; Shah 249. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

!**Tephrosia purpurea** (L.) Pers. subsp. **leptostachya** (DC.) Brummitt in Bol. Soc. Brot., ser. 2, 41: 245. 1968; *Tephrosia leptostachya* DC. in Prodr. 2: 251-252. 1825; [Meena, 2004].

Tephrosia purpurea (L.) Pers. Subsp. **purpurea** in Syn. Pl. 2(2): 329. 1807; Shah 249. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Tephrosia senticosa (L.) Pers. in Syn. Pl. 2(2): 330. 1807; Shah 250. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Tephrosia strigosa (Dalzell) Santapau & Maheshw. in J. Bombay Nat. Hist. Soc. lv. 805. 1957; Shah 250. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Tephrosia subtriflora Hochst. ex Baker in Fl. Trop. Afr. 2: 117. 1871; Raghavan *et al.* 28. 1981; [Pandey, 2002]; *Tephrosia pauciflora* Grah. in Wall. Cat. 5635. 1828; Shah 249. 1978; [GEC, 1996].

Tephrosia tinctoria Pers. in Syn. Pl. 2(2): 329. 1807; Shah 250. 1978; Raghavan *et al.* 28. 1981; [GEC, 1996].

Tephrosia uniflora Pers. subsp. **petrosa** (Blatt. & Hallb.) J. B. Gillett & Ali in Kew Bull. 13(1): 114. 1958; Shah 251. 1978; Raghavan *et al.* 28. 1981.

Tephrosia uniflora Pers. Subsp. **uniflora** in Syn. Pl. 2(2): 329. 1807; Raghavan *et al.* 29. 1981; [GEC, 1996].

Tephrosia villosa (L.) Pers. in Syn. Pl. 2: 329, no. 23. 1807; Shah 251. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996]; *Tephrosia hirta* (Buch.-Ham.) Benth. in Trans. Linn. Soc. London General Index Vols 1-25: 101. 1867 ; cf. D.J. Mabberley in Taxon, 26(5–6): 531. 1977; Raghavan *et al.* 28. 1981.

Teramnus labialis (L. f.) Spreng. in Syst. Veg. 3. 1826; Shah 251. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Teramnus mollis Benth. in J. Linn. Soc., Bot. 8: 265. 1865; Raghavan *et al.* 29. 1981; [GEC, 1996].

Trifolium repens L. in Sp. Pl. 2: 767. 1753; Shah 252. 1978; [GEC, 1996].

!Trigonella balansae Boiss. & Reut. in Diagn. Pl. Orient. ser. 2, 5: 79. 1856; *Trigonella corniculata* (L.) L. in Syst. Nat., ed. 10. 2: 1180. 1759; Shah 252. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Trigonella foenum-graecum L. in Sp. Pl. 2: 777. 1753; Shah 253. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

!**Trigonella glabra** Thunb. subsp. **uncata** (Boiss. & Noe) Lassen in Willdenowia 16(2): 447. 1987; *Trigonella uncata* Boiss. & Noë in Diagn. Pl. Orient. ser. 2, 2: 12. 1856; Raghavan *et al.* 29. 1981; [GEC, 1996]; *Trigonella hamosa* subsp. *uncata* (Boiss. & Noe) C.C.Towns. in Kew. Bull. 21. (3): 437. 1968; Shah 253. 1978; [GEC, 1996].

Trigonella occulta Delile in Fl. Aeg. Illustr. 71. 1812; Shah 254. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Uraria picta (Jacq.) Desv. in J. Bot. Agric. 1: 123, pl. 5,f. 19. 123. 1813; Shah 254. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Uraria rufescens (DC.) Schindl. in Repert. Spec. Nov. Regni Veg. 21: 14. 1925; Shah 254. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Vicia hirsuta (L.) Gray in A Natural Arrangement of British Plants 2. 1821; Shah 255. 1978; [GEC, 1996].

Vicia sativa L. in Sp. Pl. 2: 736. 1753; Shah 255. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Vigna aconitifolia (Jacq.) Marechal in Bull. Jard. Bot. Natl. Belg. 39: 160. 1969; Shah 257. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Vigna angularis (Willd.) Ohwi & H. Ohashi in Journ. Jap. Bot. xliv. 29. 1969; Shah 257. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Vigna dalzelliana (Kuntze) Verdc. in Kew Bull. 24: 558. 1970; Shah 257. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Vigna khandalensis (Santapau) Raghavan & Wadhwa in Curr. Sci. 41(11): 429. 1972; Shah 258. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Vigna mungo (L.) Hepper in Kew Bull. 1956, 128. 1956; Raghavan *et al.* 29. 1981.

Vigna radiata (L.) R. Wilczek var. **radiata** in Fl. Congo Belge & Ruanda-Urundi vi. 386. 1954; Shah 258. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Vigna sahyadriana Aitawade, K. V. Bhat & S. R. Yadav in Rheedea 22(1): 20. 2012; [Patel, 2013].

!**Vigna sublobata** (Roxb.) Bairig *et al.* in Econ. Taxon. Bot. 7(2): 274. 1986; ** *Vigna sublobata* (Roxb.) Babu & S.K.Sharma in Bull. Bot. Surv. India 27(1–4): 21, isonym. 1987; [Patel, 2013];

Vigna radiata (L.) R. Wilczek var. **sublobata** (Roxb.) Verdc. in Kew Bulletin 24(3): 559. 1970; Shah 259. 1978; Raghavan *et al.* 29. 1981; [GEC, 1996].

Vigna subramaniana (Babu ex Raizada) M. Sharma in J. Econ. Taxon. Bt. 6(3): 736. 1985; [Patel, 2013].

Vigna trilobata (L.) Verdc. in Taxon xvii. 172. 1968; Shah 259. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996].

Vigna umbellata (Thunb.) Ohwi & H. Ohashi in Journ. Jap. Bot. xliv. 31. 1969; Shah 259. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996].

Vigna unguiculata (L.) Walp. subsp. **cylindrica** (L.) Eseltine in Hedrick, Vegetables of New York 1 (2): 11. 1931; Shah 260. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996].

Vigna unguiculata (L.) Walp. subsp. **sesquipedalis** (L.) Verdc. in Fl. Turkey and East Aegean Islands 3: 266. 1970; [Patel, 2013].

Vigna unguiculata (L.) Walp. Subsp. **unguiculata** in Repert. Bot. Syst. (Walpers) 1: 779. 1842; Shah 260. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996].

Vigna vexillata (L.) A. Rich. var. **angustifolia** (Schum. & Thonn.) Baker in Flora of Tropical Africa 2. 1876; Raghavan *et al.* 30. 1981.

Vigna vexillata (L.) A. Rich. var. **vexillata** in Hist. Fis. Cuba 10: 191. 1845 ; alt. publ.: Hist. Phys. Cuba. 1981. Pl. Vasc. 440. 1846; Shah 260. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996].

Zornia diphylla (L.) Pers. in Synopsis Plantarum 2. 1806.

Zornia gibbosa Span. in Linnaea 15: 192. 1841; Shah 261. 1978; Raghavan *et al.* 30. 1981; [GEC, 1996].

Polygalaceae Hoffmanns. & Link

Polygala abyssinica R. Br. ex Fresen. in Mus. Senckenberg. ii: 273. 1837; Shah 79. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996].

Polygala arvensis Willd. in Sp. Pl. 3(2):876. 1803; Raghavan *et al.* 8. 1981.

Polygala chinensis L. in Sp. Pl. 2: 704. 1753; Shah 80. 1978; [GEC, 1996].

Polygala elongata Klein ex Willd. Sp. Pl. 3(2): 879. 1802; Shah 80. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996].

Polygala erioptera DC. Var. **erioptera** in Prodr. 1: 326. 1824; Shah 80. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996].

Polygala erioptera DC. Var. **vahliana** (DC.) Chodat in Mem. Soc. Phys. Hist. Nat. Genev. 31: 281. 1893; Raghavan *et al.* 8. 1981.

Polygala irregularis Boiss. in Diagn. Pl. Orient.. 1981. ser. 1 1: 8-9. 1843; Shah 81. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996].

Polygala persicariifolia DC. in Prodr. 1: 326. 1824; Shah 81. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996].

Casuarinaceae R. Br.

Casuarina equisetifolia L. Amoen. in Acad. 4: 143. 1759; Shah 648. 1978; Raghavan *et al.* 82. 1981; Bole & Pathak, 301. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Calophyllaceae J. Agardh

Calophyllum inophyllum L. in Sp. Pl. 1: 513-514. 1753; [Trees of Gujarat, 2008].

Mesua ferrea L. in Sp. Pl. (ed. 2) 1: 734. 1762; [Trees of Gujarat, 2008].

Clusiaceae Lindl.

Garcinia indica (Thouars) Choisy in Prodr. 1: 561. 1824; [Trees of Gujarat, 2008].

Garcinia mangostana L. in Sp. Pl. 1: 443-444. 1753; [Trees of Gujarat, 2008].

Elatinaceae Dumort.

Bergia ammannioides Roxb. ex Roth in Nov. PL. in Sp. 219. 1821; Shah 90. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

Bergia capensis L. in Mant. Pl. 2: 241. 1771; Shah 90. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Bergia suffruticosa (Delile) Fenzl in Denkschr. Bayer. Bot. Ges. Regensburg 3: 183. 1841; Shah 90. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Elatine ambigua Wight in Bot. Misc. 2: 103, pl. 5. 1831; Shah 91. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Euphorbiaceae Juss. *Sensu stricto*

Acalypha ciliata Forssk. in Fl. Aegypt.-Arab. 162. 1775; Shah 611. 1978; Raghavan *et al.* 77. 1981; [GEC, 1996];

Acalypha hispida Burm. f. in Fl. Indica 303. 1768; Raghavan *et al.* 77. 1981; [GEC, 1996].

Acalypha indica L. in Sp. Pl. 1003. 1753; Shah 611. 1978; Raghavan *et al.* 77. 1981; Bole & Pathak, 261. 1988; [GEC, 1996];

Acalypha lanceolata Willd. in Sp. Pl. 4: 524. 1805; Shah 611. 1978; Raghavan *et al.* 77. 1981; [GEC, 1996];

Acalypha malabarica Müll. Arg. in Linnaea 34: 42. 1865; Shah 611. 1978; Raghavan *et al.* 77. 1981; Bole & Pathak, 262. 1988; [GEC, 1996];

Acalypha wilkesiana Müll. Arg. in Prodr. 15(2): 817. 1866; Raghavan *et al.* 77. 1981; [GEC, 1996].

Baliospermum raziana Keshaw, Murthy & Yogan. in Curr. Sci. 56: 486. 1987; [Jose *et al.*, 1999].

Baliospermum solanifolium (Burm.) Suresh in Regnum Veg. 119:106. 1988; *Baliospermum montanum* (Willd.) Müll.Arg. in Prodr. 15(2): 1125. 1866; Shah 612. 1978; Raghavan *et al.* 77. 1981; Bole & Pathak, 262. 1988; [GEC, 1996];

!**Chrozophora plicata** (Vahl) A. Juss. ex Spreng. in Syst. Veg. 3: 850 1826; *Chrozophora prostrata* Dalzell & Gibson in Bombay Fl. 233. 1861; Shah 616, Raghavan *et al.* 77. 1981; Bole & Pathak, 266. 1988; [GEC, 1996]; 1978; *Chrozophora parvifolia* Klotzsch ex Schweinf. in Pl. Quaed. Nilot. 11. 1862; Shah 615. 1978; [GEC, 1996];

Chrozophora rottleri (Geiseler) A. Juss. ex Spreng. in Syst. Veg. 3: 850. 1826; Shah 616. 1978; Raghavan *et al.* 77. 1981; Bole & Pathak, 266. 1988; [GEC, 1996].

Chrozophora tinctoria (L.) A. Juss. in Euphorb. Gen. 110. 1824; Shah 616,. 1978; Raghavan *et al.* 78. 1981; [GEC, 1996]; *Chrozophora obliqua* (Vahl) A.Juss. ex Spreng. in Syst. Veg. 3: 850. 1826; Raghavan *et al.* 77. 1981; [GEC, 1996].

!**Codiaeum variegatum** (L.) Rumph. ex A. Juss. in Euphorb. Gen. 80, 111. 1824; ** *Codiaeum variegatum* (L.) Blume in Bijdr. Fl. Ned. Ind. 606. 1825; Raghavan *et al.* 78. 1981; [GEC, 1996].

Croton bonplandianus Baill. in Adansonia 4: 339. 1864; Shah 617. 1978; Raghavan *et al.* 78. 1981; [GEC, 1996].

!**Croton persimilis** Müll. Arg. in Linnaea 34: 116. 1865; *Croton roxburghii* N.P.Balakr. in Bull. Bot. Surv. India 3: 39. 1962; [Trees of Gujarat, 2008]; *Croton oblongifolius* Roxb. in Fl. Ind. ed. 1832 3: 685. 1832; [GEC, 1996].

Croton tiglium L. in Sp. Pl. 1004. 1753; [Trees of Gujarat, 2008].

Dalechampia scandens L. var. **cordofana** (Hochst. ex Webb) Müll. Arg. in Prodr. 15(2): 1245. 1866; Shah 618. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 268. 1988; [GEC, 1996].

Euphorbia antiquorum L. in Sp. Pl. 450. 1753; [GEC, 1996; Trees of Gujarat, 2008].

Euphorbia caducifolia Haines in Indian Forester 40: 154. 1914; Bole & Pathak, 271. 1988.

Euphorbia clarkeana Hook. f. in Fl. Brit. India 5: 253. 1887; Raghavan *et al.* 78. 1981; Bole & Pathak, 272. 1988; [GEC, 1996].

Euphorbia deccanensis V. S. Raju in Taxon 34: 519. 1985; *Euphorbia linearifolia* Roth in Nov. PL. in Sp. 224. 1821; Shah 623. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 275. 1988; [GEC, 1996].

Euphorbia dracunculoides Lam. in Encycl. 2: 428. 1788; Shah 621. 1978; Raghavan *et al.* 78. 1981; [GEC, 1996].

Euphorbia elegans Spreng. in Syst. Veg. 3: 794. 1826; Shah 622. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 272. 1988; [GEC, 1996].

Euphorbia fusiformis Buch. -Ham. ex D. Don in Prodr. Fl. Nepal. 62. 1825; Raghavan *et al.* 78. 1981; [GEC, 1996]; *Euphorbia acaulis* Roxb. in Fl. Ind. 2: 472. 1824; Shah 621. 1978; [GEC, 1996].

Euphorbia granulata Forssk. in Fl. Aegypt.-Arab. 94. 1775; Shah 622. 1978; Raghavan *et al.* 78. 1981; [GEC, 1996].

Euphorbia heterophylla L. in Sp. Pl. 453. 1753; Shah 623. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 273. 1988; [GEC, 1996]; *Euphorbia geniculata* Ortega in Nov. Pl. Descr. Dec. 18. 1797; Shah 622. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 273. 1988; [GEC, 1996].

Euphorbia heyneana Spreng. in Syst. Veg. 3: 791. 1826; Bole & Pathak, 274. 1988.

Euphorbia hirta L. in Sp. Pl. 454. 1753; Shah 623. 1988; Raghavan *et al.* 78. 1981; Bole & Pathak, 274. 1988; [GEC, 1996].

Euphorbia hispida Boiss. in Cent. Euphorb. 8. 1860; [Pandey & Padhye, 2005].

Euphorbia hypericifolia L. in Sp. Pl. 454. 1753; [Pandey, 2002].

Euphorbia jodhpurensis Blatt. & Hallb. in J. Bombay Nat. Hist. Soc. 26: 971. 1920; [Pandey *et al.*, 2012].

Euphorbia milii Des ex Boiss. in DC. Prodr. 15(2): 79. 1862; Shah 623. 1978; Raghavan *et al.* 78. 1981; [GEC, 1996].

Euphorbia neriifolia L. in Sp. Pl. 451. 1753; Shah 624. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 276. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Euphorbia nivulia Buch. -Ham. in Trans. Linn. Soc. London 14: 286. 1825; Shah 624. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 276. 1988; [GEC, 1996].

Euphorbia orbiculata Kunth in Nov. Gen. Sp. 2: 52. 1817; Shah 624. 1978; Raghavan *et al.* 78. 1981; [GEC, 1996].

Euphorbia parviflora L. in Syst. Nat. ed. 10 2: 1047. 1759; Shah 625. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 277. 1988; [GEC, 1996].

Euphorbia perbracteata Gage in Bull. Misc. Inform. Kew 238. 1914; Shah 625. 1978; Raghavan *et al.* 78. 1981; [GEC, 1996].

Euphorbia prostrata Aiton in Hort. Kew. 2: 139. 1789; Shah 625. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 278. 1988; [GEC, 1996].

Euphorbia pulcherrima Willd. ex Klotzsch in Allg. Gartenzeitung 2: 27. 1834; Shah 626. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 278. 1988; [GEC, 1996].

Euphorbia pycnostegia Boiss. var. **pycnostegia** in Cent. Euphorb. 9. 1860; Shah 626. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 279. 1988; [GEC, 1996]; *Euphorbia zornioides* Boiss. in Prodr. 15(2): 19. 1862; [GEC, 1996; Patil & Sabnis, 1982].

Euphorbia pycnostegia Boiss. var. **zornioides** (Boiss.) Santapau in Bull. Bot. Soc. Bengal 8: 11. 1955; Raghavan *et al.* 79. 1981; [GEC, 1996].

Euphorbia rosea Retz. in Observ. Bot. 4: 26. 1786; Raghavan *et al.* 79. 1981; [GEC, 1996].

Euphorbia rothiana Spreng. in Syst. Veg. 3: 796. 1826; Shah 626. 1978; Raghavan *et al.* 79. 1981; [GEC, 1996].

Euphorbia sebastinei Binojk. & N. P. Balakr. in Rheedea 3: 26. 1993; [Pandey, 2002].

Euphorbia thymifolia L. in Sp. Pl. 454. 1753; Shah 627. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 279. 1988; [GEC, 1996].

Euphorbia tirucalli L. in Sp. Pl. 452. 1753; Shah 627. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 280. 1988; [GEC, 1996].

!Euphorbia tithymaloides L. in Sp. Pl. 453. 1753; *Pedilanthus tithymaloides* (L.) Poit. in Ann. Mus. Hist. Nat. 19: 390. 1812; Shah 630. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 284. 1988; [GEC, 1996].

Excoecaria agallocha L. in Syst. Nat. ed. 10 2: 1288. 1759; [Trees of Gujarat, 2008]; *Sapium insigne* (Royle) Benth. & Hook. f. in Gen. Pl. 3: 335. 1880; [Trees of Gujarat, 2008]; *Sapium insigne* var. *malabaricum* (Wight) Hook. f. in Fl. Brit. India 5: 472. 1888; Shah 634. 1978; Raghavan *et al.* 80. 1981; [GEC, 1996].

Hippomane mancinella L. in Sp. Pl. 1191. 1753; [Trees of Gujarat, 2008].

Homonoia retusa (Graham ex Wight) Müll. Arg. in Linnaea 34: 200. 1865; Shah 628. 1978; Raghavan *et al.* 79. 1981; [GEC, 1996].

Homonoia riparia Lour. in Fl. Cochinch. 637. 1790; Shah 628. 1978; Raghavan *et al.* 79. 1981; [GEC, 1996].

Jatropha curcas L. in Sp. Pl. 1006. 1753; Shah 628. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 280. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Jatropha gossypiifolia L. in Sp. Pl. 1006. 1753; Shah 629. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 281. 1988; [GEC, 1996].

Jatropha integerrima Jacq. in Enum. Syst. Pl.: 32. 1763; *Jatropha hastata* Jacq. in Select. Stirp. Amer. Hist. 256. 1763; Raghavan *et al.* 79. 1981; [GEC, 1996].

Jatropha multifida L. in Sp. Pl. 1006. 1753.

Joannesia princeps Vell. in Alogr. Alkalis 199. 1798; [Trees of Gujarat, 2008].

Macaranga peltata (Roxb.) Müll. Arg. in Prodr. 15(2): 1010. 1866; Raghavan *et al.* 79. 1981; [Trees of Gujarat, 2008].

!**Mallotus nudiflorus** (L.) Kulju & Welzen in Blumea 52: 124. 2007; *Trewia nudiflora* L. in Sp. Pl. 1193. 1753; Raghavan *et al.* 80. 1981; [Trees of Gujarat, 2008].

Mallotus philippensis (Lam.) Müll. Arg. in Linnaea 34: 196. 1865; Shah 630. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 282. 1988; [GEC, 1996; Trees of Gujarat, 2008].

!**Mallotus polycarpus** (Benth.) Kulju & Welzen in Blumea 52: 130 2007; *Trewia polycarpa* Benth. in Gen. Pl. 3: 318. 1880; Shah 636. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Micrococca mercurialis (L.) Benth. in Niger Fl. 503. 1849; Shah 630. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 283. 1988; [GEC, 1996].

!**Microstachys chamaelea** (L.) Müll. Arg. in Linnaea 32: 95. 1863; *Sebastiania chamaelea* (L.) Müll.Arg. in Prodr. 15(2): 1175. 1866; Shah 634. 1978; Raghavan *et al.* 80. 1981; [GEC, 1996].

Ricinus communis L. in Sp. Pl. 1007. 1753; Shah 633. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 287. 1988; [GEC, 1996].

Suregada multiflora (A. Juss.) Baill. in Étude Euphorb. 396. 1858; [Trees of Gujarat, 2008].

Tragia hildebrandtii Müll. Arg. in Bremen Abh. 7: 26. 1880; Shah 635. 1978; [GEC, 1996].

Tragia plukenetii Radcl. -Sm. in Kew Bull. 37: 688. 1983; *Tragia cannabina* L. f. in Suppl. Pl. 415. 1782; Raghavan *et al.* 80. 1981; Bole & Pathak, 289. 1988.

Tragia praetervisa Chakrab. & N. P. Balakr. in Rheedea 16: 23. 2006; *Tragia muelleriana* var. unicolor (Müll.Arg.) Pax & K.Hoffm. in Pflanzenr. IV. 1988. 147, IX: 81. 1919; Raghavan *et al.* 80. 1981; [GEC, 1996].

Linaceae DC. ex Perleb

Linum grandiflorum Desf. in Fl. Atlant. 1: 278pl. 78. 1798; Raghavan *et al.* 14. 1981; [GEC, 1996].

Linum mysorense Heyne ex Bth in Edwards's Bot. Reg. 16: t. 1326. 1830; Shah 136. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Linum usitatissimum L. in Sp. Pl. 1: 277. 1753; Shah 136. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Malpighiaceae Juss.

Aspidopterys cordata (B. Heyne ex Wall.) A. Juss. in Ann. Sci. Nat.Bot.ser. 213: 267. 1840; Shah 137. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Aspidopterys nutans (Roxb. ex DC.) A. Juss. in Ann. Sci. Nat., Bot., ser. 2, 13: 267. 1841; [GEC, 1996; Reddy & Inamdar, 1990].

Galphimia gracilis Bartl. in Linnaea 13: 552-553. 1839; Raghavan *et al.* 15. 1981; [GEC, 1996].

Hiptage benghalensis (L.) Kurz in J. Asiat. Soc. BengalPt. 2Nat. Hist. 43: 136. 1874; Shah 137. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

!Stigmaphyllon emarginatum (Cav.) A. Juss; *Stigmaphyllon periplocifolium* (Desf. ex DC.) A. Juss. in Arch. Mus. Par. iii 380. 1843; Raghavan *et al.* 15. 1981; [GEC, 1996].

Ochnaceae DC.

Ochna obtusata DC. in Ann. Mus. Hist. Nat. 17: 411. 1811; Raghavan *et al.* 17. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Passifloraceae Juss. ex Roussel

Passiflora edulis Sims in Bot. Mag. 45: t. 1989. 1818; Shah 315. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Passiflora foetida L. in Sp. Pl. 959. 1753; Shah 315. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Passiflora suberosa L. in Sp. Pl. 2: 958. 1753; *Passiflora minima* L. in Sp. Pl. 2: 959. 1753; [GEC, 1996].

Turnera subulata Sm. in Cycl. 36: no. 2. 1817; [Patel, 2013; Binoj *et al.*, 2000].

Turnera ulmifolia L. in Sp. Pl. 1: 271. 1753; Shah 312. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Phyllanthaceae Martinov

Andrachne telephioides L. in Sp. Pl. 1014. 1753; [GEC, 1996; Patil & Sabnis, 1982].

Antidesma acidum Retz. in Observ. Bot. 5: 30. 1788; [Trees of Gujarat, 2008]; *Antidesma diandrum* (Roxb.) Roth in Nov. PL. in Sp. 369. 1821; [GEC, 1996].

Antidesma ghaesembilla Gaertn. in Fruct. Sem. Pl. 1: 189. 1788; Shah 612. 1978; [GEC, 1996].

Bischofia javanica Blume in Bijdr. 1168. 1827; [Trees of Gujarat, 2008].

Breynia retusa (Dennst.) Alston in Ann. Roy. Bot. Gard. 11: 204. 1929; Shah 613. 1978; Raghavan *et al.* 77. 1981; Bole & Pathak, 263. 1988; [GEC, 1996].

!**Breynia vitis-idaea** (Burm. f.) C. E. C. Fisch. in Bull. Misc. Inform. Kew 1932: 65. 1932; *Breynia rhamnoides* (Retz.) Müll.Arg. in Prodr. 15(2): 440. 1866; Shah 613. 1978; [GEC, 1996].

Bridelia montana (Roxb.) Willd. in Sp. Pl. 4: 978. 1806; *Bridelia hamiltoniana* Wall. ex Müll.Arg. in Linnaea 34: 77. 1865; Shah 614. 1978; Raghavan *et al.* 77. 1981; [GEC, 1996].

!**Bridelia retusa** (L.) A. Juss. in Euphorb. Gen. 109 1824; ** *Bridelia retusa* (L.) Spreng. in Syst. Veg. 3: 48. 1826; Shah 614. 1978; Raghavan *et al.* 77. 1981; Bole & Pathak, 263. 1988; [GEC, 1996; Trees of Gujarat, 2008]; *Bridelia squamosa* (Lam.) Gehrm. in Bot. Jahrb. Syst. 41(95): 30. 1908; Shah 614. 1978; Raghavan *et al.* 77. 1981; Bole & Pathak, 264. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Bridelia stipularis (L.) Blume in Bijdr. 597. 1826; Shah 615. 1978; Raghavan *et al.* 77. 1981; Bole & Pathak, 264. 1988; [GEC, 1996].

Cleistanthus collinus (Roxb.) Benth. ex Hook. f. in Fl. Brit. India 5: 274. 1887; [Trees of Gujarat, 2008].

!**Flueggea leucopyrus** Willd. in Sp. Pl. 4: 757. 1806; *Securinega leucopyrus* (Willd.) Müll.Arg. in Prodr. 15(2): 451. 1866; Shah 635. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 288. 1988; [GEC, 1996].

!**Flueggea virosa** (Roxb. ex Willd.) Royle in Ill. Bot. Himal. Mts. 328. 1836; *Securinega virosa* (Roxb. ex Willd.) Pax & K. Hoffm. in Nat. Pflanzenfam. (ed. 2) 19c: 60. 1931; Shah 635. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 289. 1988; [GEC, 1996].

Phyllanthus acidus (L.) Skeels in Bull. Bur. Pl. Industr. U.S.D.A. 148: 17. 1909; Raghavan *et al.* 79. 1981; [GEC, 1996]; *Cicca acida* (L.) Merr. in Interpr. Herb. Amboin. 314. 1917; Shah 617. 1978; Bole & Pathak, 267. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Phyllanthus amarus Schumach. & Thonn. in Kongel. Danske Vidensk. Selsk. Skr., Naturvidensk. Math. Afd. 4: 195. 1829; Raghavan *et al.* 79. 1981; [GEC, 1996].

Phyllanthus asperulatus Hutch. in Bull. Misc. Inform. Kew 1920: 27. 1920.

Phyllanthus debilis Klein ex Willd. in Sp. Pl. 4: 582. 1805; Shah 631. 1978; Raghavan *et al.* 79. 1981; [GEC, 1996].

Phyllanthus emblica L. in Sp. Pl. 982. 1753; [Trees of Gujarat, 2008]; *Emblica officinalis* Gaertn. in Fruct. Sem. Pl. 2: 122. 1790; Shah 618. 1978; Raghavan *et al.* 78. 1981; Bole & Pathak, 269. 1988; [GEC, 1996].

Phyllanthus fraternus G. L. Webster in Contr. Gray Herb. 176: 53. 1955; Shah 632. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 284. 1988; [GEC, 1996].

Phyllanthus lawii J. Graham in Cat. Pl. Bombay 181. 1839; Shah 632. 1978; Raghavan *et al.* 79. 1981; [GEC, 1996].

Phyllanthus maderaspatensis L. in Sp. Pl. 982. 1753; Shah 632. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 285. 1988; [GEC, 1996].

!**Phyllanthus reticulatus** Poir. in Encycl. 5: 298 1804; *Kirganelia reticulata* (Poir.) Baill. in Étude Euphorb. 613. 1858; Shah 629. 1978; Raghavan *et al.* 79. 1981; Bole & Pathak, 282. 1988; [GEC, 1996].

Phyllanthus urinaria L. in Sp. Pl. 982. 1753; Shah 633. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 286. 1988; [GEC, 1996].

Phyllanthus virgatus G. Forst. in Fl. Ins. Austr. 65. 1786; Shah 633. 1978; Bole & Pathak, 287. 1988; [GEC, 1996]; *Phyllanthus simplex* Retz. in Observ. Bot. 5: 29. 1789; Raghavan *et al.* 80. 1981; [GEC, 1996].

Putranjivaceae Meisn.

!**Putranjiva roxburghii** Wall. in Tent. Fl. Napal. 61. 1826; *Drypetes roxburghii* (Wall.) Hurus. in J. Fac. Sci. Univ. Tokyo, Sect. 3, Bot. 6: 335. 1954; Shah 618. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 268. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Rhizophoraceae Pers.

Bruguiera cylindrica (L.) Blume in Enum. Pl. Javae 1: 91. 1827; [Kothari & Rao, 2001].

Bruguiera gymnorhiza (L.) Lam. in Encycl. 4: 696. 1798; Shah 295. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Bruguiera parviflora (Roxb.) Wight & Arn. ex Griff. in Trans. Med. Phys. Soc. Calcutta 8: 10. 1836; [Kothari & Rao, 2001].

Ceriops decandra (Griff.) W. Theob. in Burmah ed. 3. 2: 480. 1883 ; cf. D.J. Mabberley in Taxon, 34(1): 154. 1985; [Kothari & Rao, 2001].

Ceriops tagal (Perr.) C. B. Rob. in Philipp. J. Sci., C 3: 306. 1908; Shah 295. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Rhizophora apiculata Blume in Enum. Pl. Javae 1: 91. 1827; [Trees of Gujarat, 2008; Kothari & Rao, 2001].

Rhizophora mucronata Lam. in Encycl. 6: 189. 1804; Shah 296. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Salicaceae Mirb.

Casearia esculenta Roxb. in Fl. Ind. 2: 422. 1832; Shah 78. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996]; *Guidonia esculenta* (Roxb.) Baill. in Traité Bot. Méd. Phan. 2: 827 827 1884; *Casearia championii* Thwaites in Enum. Pl. Zeyl. 19. 1864; [Trees of Gujarat, 2008].

Casearia graveolens Dalzell in Hooker's J. Bot. Kew Gard. Misc. 4: 107. 1852; Shah 78. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Casearia tomentosa** Roxb. in Fl. Ind. 2: 421. 1832; [Trees of Gujarat, 2008]; *Guidonia tomentosa* (Roxb.) Kurz in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 46(2): 92. 1877; *Casearia elliptica* Willd. in Sp. Pl. 2: 628-629. 1799; Shah 77. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996].

Flacourtia indica (Burm. f.) Merr. in Interpr. Herb. Amboin. 377. 1917; Shah 78. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Flacourtia montana J. Graham in Cat. Pl. Bombay 10. 1839; Shah 79. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Populus alba L. in Sp. Pl. 2: 1034. 1753; [Trees of Gujarat, 2008].

Salix tetrasperma Roxb. in Pl. Coromandel 1: 66, pl. 97. 1795; Shah 649. 1978; Raghavan *et al.* . 1981; [GEC, 1996; Trees of Gujarat, 2008].

Violaceae Batsch

Hybanthus enneaspermus (L.) f. Muell. Fragm. 10: 81. 1876; Shah 76. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Viola cinerea Boiss. in Diagn. Pl. Orient., ser. 1 1: 7. 1843; Raghavan *et al.* 8. 1981; *Viola cinerea* var. *stocksii* (Boiss.) W. Becker forma *kathiawarensis* W. Becker in in Beih. Bot. Centralb. 36:36-37. 1918; Shah 76. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996].

Elaeocarpaceae Juss.

!**Elaeocarpus serratus** L. in Sp. Pl. 515. 1753; *Elaeocarpus sphaericus* (Gaertn.) K. Schum. in Pflanzenr. 3(6): 5. 1895; [Trees of Gujarat, 2008].

Oxalidaceae R. Br.

Averrhoa carambola L. in Sp. Pl. 1: 428. 1753; Shah 141. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Biophytum reinwardtii (Zucc.) klotzsch. in Naturw. Reise Mossambique 85. 1861; Raghavan *et al.* 15. 1981; [GEC, 1996].

Biophytum sensitivum (L.) DC. var. **candolleanum** Edgew. & Hook. f. in Fl. Brit. India 1: 437. 1872; Raghavan *et al.* 15. 1981.

Biophytum sensitivum (L.) DC. var. **sensitivum** in Prodr. 1: 690. 1824; Shah 141. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Oxalis corniculata L. in Sp. Pl. 1: 435. 1753; Shah 141. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Cannabaceae Martinov

Cannabis sativa L. in Sp. Pl. 1027. 1753; Shah 648. 1978; Raghavan *et al.* 82. 1981; Bole & Pathak, 301. 1988; [GEC, 1996].

Trema orientalis (L.) Blume in Mus. Bot. 2: 62. 1856; Shah 637. 1978; Raghavan *et al.* 81. 1981; Bole & Pathak, 300. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Trema politoria (Planch.) Blume in Mus. Bot. 2: 58. 1856; Shah 637. 1978; Raghavan *et al.* 81. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Moraceae Gaudich.

Artocarpus heterophyllus Lam. in Encycl. 3: 29. 1789; Shah 641. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 290. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Artocarpus lakoocha Roxb. in Fl. Ind. ed. 3: 524. 1832.

Ficus amplissima Sm. in Cycl. 14: 1. 1810; Shah 643. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 292. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Ficus arnottiana (Miq.) Miq. in Ann. Mus. Bot. Lugduno-Batavi 3: 287. 1867; Shah 643. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 292. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Ficus benghalensis L. var. **benghalensis** in Sp. Pl. 1059. 1753; Shah 644. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 293. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Ficus benghalensis L. var. **krishnae** (C. DC.) Corner in Gard. Bull. Singapore 21: 14. 1965; [Trees of Gujarat, 2008].

Ficus benjamina L. var. **nuda** (Miq.) M. f. Barrett in Amer. Midl. Naturalist 45: 127. 1951; [Trees of Gujarat, 2008].

Ficus binnendijkii Miq. in Ann. Mus. Bot. Lugduno-Batavi 3: 288. 1867; [Trees of Gujarat, 2008].

Ficus carica L. in Sp. Pl. 1059. 1753; Shah 644. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 293. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Ficus drupacea Thunb. var. **pubescens** (Roth) Corner in Gard. Bull. Singapore 17: 381. 1960; Shah 644. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Ficus elastica Roxb. ex Hornem. in Hort. Bot. Hafn. Suppl 7. 1819; [Trees of Gujarat, 2008].

Ficus exasperata Vahl in Enum. Pl. 2: 197. 1805; Raghavan *et al.* 80. 1981; [GEC, 1996; Trees of Gujarat, 2008]; *Ficus asperrima* Roxb. in Fl. Ind. ed. 1832 3: 554. 1832; Shah 643. 1978; [GEC, 1996].

Ficus heterophylla L. f. in Suppl. Pl. 442. 1782; Shah 645. 1978; Raghavan *et al.* 80. 1981; [GEC, 1996].

Ficus hispida L. f. in Suppl. Pl. 442. 1782; Shah 645. 1978; Raghavan *et al.* 80. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Ficus lyrata Warb. in Bot. Jahrb. Syst. 20: 172. 1894; [Trees of Gujarat, 2008].

Ficus microcarpa L. f. in Suppl. Pl. 442. 1782; Shah 645. 1978; Raghavan *et al.* 80. 1981; Bole & Pathak, 294. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Ficus natalensis Hochst. subsp. **leprieurii** (Miq.) C. C. Berg in Kew Bull. 43: 88. 1988; [Trees of Gujarat, 2008].

Ficus nervosa B. Heyne ex Roth Nov. PL. in Sp. 388. 1821; Shah 646. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Ficus pumila L. in Sp. Pl. 2: 1060. 1753; [Patel, 2013].

Ficus racemosa L. in Sp. Pl. 1060. 1753; Shah 646. 1978; Raghavan *et al.* 81. 1981; Bole & Pathak, 294. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Ficus religiosa L. in Sp. Pl. 1059. 1753; Shah 646. 1978; Raghavan *et al.* 81. 1981; Bole & Pathak, 295. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Ficus rumphii Blume in Bijdr. 437. 1825; Shah 647. 1978; [GEC, 1996; Trees of Gujarat, 2008].

!**Ficus tinctoria** G.Forst. subsp. **gibbosa** (Blume) Corner in Gard. Bull. Singapore 17: 476. 1960; *Ficus tinctoria* var. *parasitica* (Blume) Corner in Gard. Bull. Singapore 17: 477. 1960; Raghavan *et al.* 81. 1981; [GEC, 1996; Trees of Gujarat, 2008]; *Ficus gibbosa* Blume in Bijdr. 466. 1825; [GEC, 1996].

Ficus virens Aiton in Hort. Kew. 3: 451. 1789; Shah 647. 1978; Raghavan *et al.* 81. 1981; Bole & Pathak, 296. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Holoptelea integrifolia Planch. in Ann. Sci. Nat., Bot. III, 10: 259. 1848; Shah 636. 1978; Raghavan *et al.* 81. 1981; Bole & Pathak, 299. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Morus alba L. in Sp. Pl. 986. 1753; Shah 647. 1978; Raghavan *et al.* 81. 1981; Bole & Pathak, 296. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Morus australis Poir. in Encycl. 4: 380. 1796; [Trees of Gujarat, 2008].

Morus macroura Miq. in Pl. Jungh. 1: 42. 1851; [Trees of Gujarat, 2008].

Streblus asper Lour. in Fl. Cochinch. 1: 615. 1790; Shah 648. 1978; Raghavan *et al.* 81. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Rhamnaceae Juss.

Ventilago bombaiensis Dalzell in Hooker's J. Bot. Kew Gard. Misc. 3: 36. 1851; [Desai, 1992].

Ventilago denticulata Willd. in Neue Schriften Ges. Naturf. Freunde Berlin 3: 417. 1801; Shah 153. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996].

Ventilago maderaspatana Gaertn. in Fruct. Sem. Pl. 1: 223, pl. 49,f. 2. 1788; Raghavan *et al.* 18. 1981; [GEC, 1996].

!**Ziziphus abyssinica** Hochst. ex A. Rich. in Tent. Fl. Abyss. 1: 136 1847; *Ziziphus xylopyrus* Willd. in Sp. Pl. 1: 1104; Shah 157. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Ziziphus glaberrima (Sedgw.) Santapau in J. Bombay Nat. Hist. Soc. 51: 803. 1954; Shah 155. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996].

Ziziphus glabrata B. Heyne ex Roth in Nov. PL. in Sp. 159. 1821; Shah 115. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Ziziphus horrida Roth in Nov. PL. in Sp. 159. 1822; Shah 115. 1978; [GEC, 1996].

Ziziphus lotus (L.) Lam. in Actes Soc. Hist. Nat. Paris 1788: 443, t. 21. 1788; Raghavan *et al.* 18. 1981.

Ziziphus mauritiana Lam. var. **fruticosa** (Haines) Sebast. & Henry in Bull. Bot. Surv. India 3(1): 57. 1962; Raghavan *et al.* 18. 1981; [GEC, 1996].

Ziziphus mauritiana Lam. var. **mauritiana** in Encycl. 3(1): 319. 1789; Shah 115. 1978; [Trees of Gujarat, 2008].

Ziziphus mauritiana Lam. var. **pubescens** Bhandari & Bhansai in Fasc. Fl. India 20: 102. 1990; [Parmar, 2006].

Ziziphus nummularia (Burm. f.) Wight & Arn. in Prodr. Fl. Ind. Orient. 162. 1834; Shah 156. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996].

!**Ziziphus oenopolia** (L.) Mill. in Gard. Dict. (ed. 8) no. 3. 1768; ## *Ziziphus oenoplia* (L.) Mill. in Gard. Dict. (ed. 8) no. 3. 1768; Shah 156. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996].

Ziziphus rugosa Lam. in Encycl. 3(1): 319. 1789; Shah 157. 1978; Raghavan *et al.* 18. 1981; [GEC, 1996].

Ziziphus truncata Blatt. & Hallb in J. Bombay Nat. Hist. Soc. 26: 234. 1918; [GEC, 1996; Pandey, 2002].

Rosaceae Juss.

Potentilla supina L. in Sp. Pl. 1: 497. 1753; Shah 294. 1978; Raghavan *et al.* 33. 1981; [GEC, 1996].

Rosa indica L. in Sp. Pl. 1: 492. 1753; [Patel, 2013].

Urticaceae Juss.

!**Boehmeria japonica** (L. f.) Miq. in Ann. Mus. Bot. Lugduno-Batavi 3: 131. 1867; *Boehmeria scabrella* (Roxb.) Gaudich. in Voy. Uranie 499. 1830; Shah 638. 1978; Raghavan *et al.* 81. 1981; [GEC, 1996].

Distemon indicum Wedd. in Monogr. Fam. Urtic. 551. 1856; Shah 639. 1978; [GEC, 1996].

Elatostema cuneatum Wight in Icon. Pl. Ind. Orient. 6: t. 2094, f. 3. 1853; Shah 639. 1978; Raghavan *et al.* 81. 1981; [GEC, 1996].

!**Girardinia diversifolia** (Link) Friis in Kew Bull. 36: 145 1981; *Girardinia zeylanica* Decne. in Voy. Inde 4: 152. 1844; Shah 639. 1978; Raghavan *et al.* 81. 1981; Bole & Pathak, 297. 1988; [GEC, 1996].

Laportea interrupta (L.) Chew in Gard. Bull. Singapore 21(2): 200-201. 1965; Shah 640. 1978; Raghavan *et al.* 81. 1981; Bole & Pathak, 298. 1988; [GEC, 1996].

Lecanthus peduncularis (Wall. ex Royle) Wedd. in Prodr. 16(1): 164. 1869; Raghavan *et al.* 81. 1981; [GEC, 1996].

Neodistemon indicum (Wedd.) Babu & Henry in Taxon 19: 651. 1970; Raghavan *et al.* 81. 1981; [GEC, 1996].

Pilea microphylla (L.) Liebm. in Mexic. Neldeagt. Pl. V, 2: 302. 1851; Shah 640. 1978; Raghavan *et al.* 81. 1981; [GEC, 1996].

Pouzolzia zeylanica (L.) Benn. & R. Br. in Pl. Jav. Rar. 66-67. 1838; Shah 641. 1978; Raghavan *et al.* 82. 1981; Bole & Pathak, 298. 1988; [GEC, 1996].

Zygophyllaceae R. Br.

Balanites aegyptiaca (L.) Delile in Descr. Egypte, Hist. Nat. 221, t. 28,f. 1. 1813; Shah 146. 1978; Raghavan *et al.* 16. 1981; [GEC, 1996].

Balanites roxburghii Planch. in Ann. Sci. Nat.Bot. IV2: 258. 1854; [Trees of Gujarat, 2008].

Fagonia bruguieri DC. in Prodr. 1: 704. 1824; [Pandey & Padhye, 1997].

Fagonia cretica L. in Sp. Pl. 3: 86. 1753; Shah 138. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Fagonia indica Burm. f. var. **indica** in Fl. Indica 102. 1768; [Pandey & Padhye, 2005].

Fagonia indica Burm. f. var. **schweinfurthii** in Hadidi Fl. Iran. 98: 6. 1972.

Guaiacum officinale L. in Sp. Pl. 1: 381-382. 1753; Raghavan *et al.* 15. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Seetzenia lanata** (Willd.) Bullock in Kew Bull. 19: 204 204 1965; *Seetzenia orientalis* Decne. in Ann. Sci. Nat., Bot., ser. 2, 3: 281. 1835; Shah 139. 1978; [GEC, 1996]; *Seetzenia africana* R. Br. in Denh. & Clapp. Trav. App. 231. 1826; Raghavan *et al.* 15. 1981.

Tribulus lanuginosus L. in Sp. Pl. 1: 387. 1753; [Pandey, 2002].

!**Tribulus longipetalus** Viv. in Pl. Aegypt. Dec. 4: 10 10 1830; *Tribulus alatus* Delile in Descr. de l'Egypte. 1981. Hist. Nat. 2:62. 1813; Shah 139. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Tribulus rajasthanensis Bhandari & V. S. Sharma in Bot. Not. 129(4): 367. 1977; [GEC, 1996; Patil & Sabnis, 1982].

Tribulus terrestris L. in Sp. Pl. 1: 387. 1753; Shah 139. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Zygophyllum simplex L. in Mant. Pl. 1: 68. 1767; Shah 140. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Brassicaceae Burnett

Brassica juncea (L.) Czern. in Consp. Pl. Charc. 8. 1859; Shah 62. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

Brassica nigra (L.) K. Koch in Roehl. Deutschl. Fl. (ed. 3) iv. 713; Shah 62. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

Brassica oleracea L. var. **botrytis** L. in Sp. Pl. 2: 667. 1753; Shah 62. 1978; [GEC, 1996].

Brassica oleracea L. var. **capitata** L. in Sp. Pl. 2: 667. 1753; Shah 62. 1978; [GEC, 1996].

Brassica oleracea L. var. **gongylodes** L. in Sp. Pl. 2: 667. 1753; Shah 62. 1978; [GEC, 1996].

Brassica oleracea L. var. **oleracea** in Sp. Pl. 2: 667. 1753; Raghavan *et al.* 6. 1981.

Brassica rapa L. subsp. **Rapa** in Sp. Pl. 2: 666-667. 1753; Raghavan *et al.* 6. 1981.

!**Brassica rapa** L. subsp. **trilocularis** Hanelt in Verz. Landwirtsch. u. Gartn. Kulturpfl.. 1981. Auf. 2, ed. J. Schultze-Motel 1: 302. 1986; *Brassica campestris* L. var. *sarson* Prainin in Agric. Ledger 5:24. 1898; Shah 61. 1978; [GEC, 1996].

Cardamine trichocarpa Hochst. ex A. Rich. in Tent. Fl. Abyss. 1: 18. 1847; Shah 63. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

!**Douepea tortuosa** Cambess. in Voy. Inde 18 1841; *Moricandia tortuosa* Hook. f. & Thomson in J. Linn. Soc., Bot. 5: 172. 1861; Raghavan *et al.* 6. 1981; [GEC, 1996].

!**Eruca vesicaria** (L.) Cav. in Ill. Fl. Mitt.-Eur. 4(1): 201. 1918; *Eruca vesicaria* (L.) Cav. subsp. sativa (Mill.) Thell. in Ill. Fl. Mitt.-Eur. 4(1): 201. 1918; Raghavan *et al.* 6. 1981. Mill. in Gard. Dict. Abr. (ed. 4) vol. 1. 1754; Shah 64. 1978; [GEC, 1996].

Farsetia jacquemontii Hook. f. & Thomson in J. Proc. Linn. Soc.. 1981. Bot. 5: 148. 1861; Shah 64. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

!**Farsetia stylosa** R. Br. Narr. Travels Africa 12, 216 1826; *Farsetia hamiltonii* Roylein Ill. Bot. Himal. Mts. 71; [Meena, 2007].

Iberis umbellata L. in Sp. Pl. 2: 649. 1753; Raghavan *et al.* 6. 1981; [GEC, 1996].

!**Lepidium didymum** L. in Mant. Pl. 92 1767; *Coronopus didymus* (L.) Sm. in Fl. Brit. 2: 691. 1800; Shah 63. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

Lepidium sativum L. in Sp. Pl. 2: 644. 1753; Shah 65. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

Neslia paniculata (L.) Desv. in J. Bot. Agric. 3(4): 162. 1814; Raghavan *et al.* 6. 1981; [GEC, 1996].

Raphanus caudatus L. in Mant. Pl. 95. 1767; Shah 65. 1978; [GEC, 1996].

Raphanus sativus L. in Sp. Pl. 2: 669. 1753; Shah 65. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

!**Rorippa cochlearioides** (Roth) Al-Shehbaz & Jonsell in Novon 10(4): 344-345 344 2000; *Cochlearia cochlearioides* (Roth) Santapau & Mahesw. in J. Bombay Nat. Hist. Soc. 54: 804. 1957; Shah 63. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

Rorippa indica (L.) Hiern in Cat. Afr. Pl. 1(1): xxvi, 24. 1896; Shah 66. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

Capparaceae Juss.

Cadaba fruticosa (L.) Druce in Rep. Bot. Exch. Cl. Brit. Isles 1913, 3. 415. 1914; Shah 67. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

Capparis cartilaginea Decne. in Ann. Sci. Nat., Bot., ser. 2, 3: 273. 1835; Shah 68. 1978; [GEC, 1996]; *Capparis spinosa* L.var. *galeata* (Fres.) Hk. f. & Thomsin in Fl. Brit. India 1: 173. 1872; Raghavan *et al.* 7. 1981.

Capparis decidua (Forssk.) Edgew. in J. Proc. Linn. Soc.. 1981. Bot. 6: 184. 1862; Shah 68. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Capparis grandis L. f. in Suppl. Pl. 263. 1781; Shah 68. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Capparis oblongifolia** Forssk. in Fl. Aegypt.-Arab. 99 1775; *Maerua oblongifolia* (Forssk.) A. Rich. in Tent. Fl. Abyss. 1: 32, t. 6. 1847; Shah 74. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Capparis sepiaria L. in Syst. Nat. (ed. 10) 2: 1071. 1759; Shah 69. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

Capparis spinosa L. in Sp. Pl. 1: 503. 1753; Shah 69. 1978; Raghavan *et al.* 6. 1981; [GEC, 1996].

Capparis zeylanica L. in Sp. Pl. (ed. 2) 1: 720. 1762; Shah 69. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Crateva adansonii DC. subsp. **odora** (Buch. -Ham.) Jacobs in Blumea 12(2): 198–199. 1964; Shah 74. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Crateva nurvala Buch. -Ham. in Trans. Linn. Soc. London 15: 121. 1872; Shah 74. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Caricaceae Dumort.

Carica papaya L. in Sp. Pl. 1036. 1753; Shah 315. 1978; Raghavan *et al.* 37. 1981; [GEC, 1996].

Cleomaceae Bercht. & J. Presl

Cleome aspera J. Konig ex DC. in Prodr. 1: 241. 1824; Shah 70. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Cleome brachycarpa (Forssk.) Vahl ex DC. in Prodr. 1: 240. 1824; Shah 71. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Cleome chelidonii L. f. in Suppl. Pl. 300. 1782; Shah 71. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Cleome gynandra L. var. **gynandra** in Sp. Pl. 1: 671. 1753; Shah 72. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Cleome gynandra L. var. **nana** (Blatter & Hallberg) Bhandari in Bull. Bot. Surv. India 6: 327. 1964; [Pandey, 2001].

Cleome monophylla L. in Sp. Pl. 1: 672. 1753; Shah 72. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

!**Cleome rupicola** Vicary in J. Asiat. Soc. Bengal 16: 1158 1847; *Cleome stocksiana* Boiss. in Diagn. Pl. Orient. II, 1: 47. 1854; Raghavan *et al.* 7. 1981.

!**Cleome rutidosperma** DC. var. **burmannii** (Wight & Arn.) Siddiqui & S. N. Dixit in Pl. Sci. 6: 68 1974; *Cleome burmann*i Wight & Arn. in Prodr. Fl. Ind. Orient. 22. 1834; Shah 71. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Cleome scaposa DC. in Prodr. 1: 239. 1824; Shah 72. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Cleome simplicifolia Hook. f. & Thomson in Fl. Brit. India 1: 169. 1872; Shah 73. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

!Cleoserrata speciosa (Raf.) Iltis in Novon 17: 448. 2007; *Cleome speciosa* Raf. in Fl. Ludov. 86-87. 1817.

Cleome viscosa L. in Sp. Pl. 2: 672. 1753; Shah 73. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Dipterygium glaucum Dcne. Ann. Sci. Nat., Bot., ser. 2, 4: 66. 1835; Raghavan *et al.* 7. 1981; [GEC, 1996].

Moringaceae Martinov

Moringa concanensis Nimmo in J. Grah. Cat. Bomb. Pl. 43. 1839; Shah 169. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Moringa oleifera Lam. in Encycl. 1(2): 398. 1785; Shah 170. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Resedaceae Martinov

Reseda aucheri Boiss. in Diagn. Pl. Orient., ser. 1 1: 5. 1843; Shah 75. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Reseda pruinosa Delile Fl. Aegypt. Illustr. 63. 1812; Shah 75. 1978; Raghavan *et al.* 7. 1981; [GEC, 1996].

Salvadoraceae Lindl.

Azima tetracantha Lam. in Encycl. 1: 343. 1783; Shah 412. 1978; Raghavan *et al.* 49. 1981; [GEC, 1996].

Salvadora oleoides Decne. in Voy. Inde 4: 140. 1844; Shah 413. 1978; Raghavan *et al.* 49. 1981; Bole & Pathak, 54. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Salvadora persica L. var. **persica** in Sp. Pl. 122. 1753; Shah 413. 1978; Raghavan *et al.* 49. 1981; Bole & Pathak, 54. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Salvadora persica L. var. **wightiana** (Planch. ex Thwaites) Verdc. in Kew Bull. 19: 150. 1964; Raghavan *et al.* 49. 1981.

Geraniaceae Juss.

Monsonia senegalensis Guill. & Perr. in Fl. Seneg. Tent. 1: 131. 1832; Shah 140. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Bixaceae Kunth

Bixa orellana L. in Sp. Pl. 1: 512. 1753; [Trees of Gujarat, 2008].

Cochlospermum religiosum (L.) Alston in Handb. Fl. Ceylon 6: 14. 1931; Shah 76. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Dipterocarpaceae Blume

Shorea robusta Gaertn. in Suppl. Carp. 48. 1805; [Trees of Gujarat, 2008].

Malvaceae Juss.

Abelmoschus angulosus Wall. ex Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 53. 1834; Shah 93. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Abelmoschus crinitus Wall. in Pl. Asiat. Rar. 1(2): 39, t. 44. 1830; [pandey *et al.*, 2011].

Abelmoschus esculentus (L.) Moench in Methodus 2: 617. 1794; Shah 94. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Abelmoschus ficulneus (L.) Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 53. 1834; Shah 94. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Abelmoschus manihot (L.) Medik. subsp. **manihot** in Malvenfam. 46. 1787; Shah 94. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Abelmoschus manihot (L.) Medik. subsp. **tetraphyllus** (Roxb. ex Hornem.) Borss. in Waalk. Blumea 14. 1966.

Abelmoschus moschatus Medik. in Malvenfam. 46. 1787; Shah 94. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Abelmoschus tuberculatus Pal & Singh var. **deltoidefolius** T. K. Paul & M. P. Nayar in Bull. Bot. Surv. India 24(1-4): 215. 1983; [Pandey, 2002].

Abelmoschus tuberculatus Pal & Singh var. **tuberculatus** in Bot. Gaz. 113: 458. 1952; [192].

Abutilon fruticosum Guill. & Perr. in Fl. Seneg. Tent. 1: 70-71. 1831; Shah 94. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

!**Abutilon hirtum** (Lam.) Sweet in Hort. Brit. 53 1826; ** *Abutilon hirtum* (Lam.) G.Donin Gen. Hist. 1: 503. 1831; Shah 96. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Abutilon indicum (L.) Sweet subsp. **guineense** (Schumach.) Borss. in Waalk. Blumea 14: 175. 1966; Raghavan *et al.* 10. 1981; [GEC, 1996].

Abutilon indicum (L.) Sweet subsp. **Indicum** in Hort. Brit. 1: 54. 1826; Shah 96. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996]; *Abutilon asiaticum* (L.) G.Donin Gen. Hist. 1: 503. 1831; [GEC, 1996].

Abutilon pannosum (G. Forst.) Schltdl. in Bot. Zeitung 9: 828. 1851; Raghavan *et al.* 10. 1981; [GEC, 1996]; *Abutilon glaucum* (Cav.) Sweetin Hort. Brit. 1: 54. 1826; Shah 96. 1978; [GEC, 1996].

Abutilon persicum (Burm. f.) Merr. in Philipp. J. Sci. 19: 364. 1921; Raghavan *et al.* 10. 1981.

Abutilon polyandrum (Roxb.) Schlecht. in Enum. Hort. Berol. Alt. 2: 264. 1822; Shah 97. 1978; [GEC, 1996].

Abutilon ramosum (Cav.) Guill. & Perr. in Fl. Seneg. Tent. 1: 68. 1831; Shah 97. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Abutilon theophrasti Medik. in Malvenfam. 28. 1787; Shah 98. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Adansonia digitata L. in Sp. Pl. 1190. 1753; Shah 118. 1978; Raghavan *et al.* 12. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Alcea rosea** L. in Sp. Pl. 687. 1753; *Althaea rosea* (L.) Cav. in Diss. 2: 91. 1786; Shah 98. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996].

Althaea ludwigii L. in Mant. Pl. 2: 98. 1767; Shah 98. 1978; [GEC, 1996].

Azanza lampas (Cav.) Alef. in Bot. Zeitung 19: 298. 1861; Shah 99. 1978; [GEC, 1996].

Bombax ceiba L. in Sp. Pl. 511. 1753; Shah 118. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Bombax insigne Wall. in Pl. Asiat. Rar. 1: 71, t. 79-80. 1830; [Trees of Gujarat, 2008].

Byttneria herbacea Roxb. in Pl. Coromandel 1(1-2): 28, t. 29. 1795; Shah 120. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996].

Ceiba pentandra (L.) Gaertn. in Fruct. Sem. Pl. 2: 244. 1791; Raghavan *et al.* 12. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Corchorus aestuans L. in Syst. Nat. (ed. 10) 2: 1079. 1759; Shah 126. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996].

Corchorus capsularis L. in Sp. Pl. 1: 529- 530. 1753; Shah 127. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996].

Corchorus depressus (L.) Stocks in Proc. Linn. Soc. 1. 367. 1848; Shah 127. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Corchorus fascicularis Lam. in Encycl. 2(1): 104. 1786; Shah 127. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Corchorus olitorius L. in Sp. Pl. 1: 529. 1753; Shah 128. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Corchorus tridens L. in Mant. Pl. 2: 566. 1771; Shah 128. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Corchorus trilocularis L. in Mant. Pl. 77. 1767; Shah 128. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Corchorus urticifolius Wight & Arn. in Prodr. Fl. Ind. Orient. 73. 1834; Shah 128. 1978; [GEC, 1996].

!Diplopenta odorata Alef. in Oesterr. Bot. Z. 13: 11 1863; *Pavonia odorata* Willd. in Sp. Pl. 3: 837. 1822; Shah 111. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Erinocarpus nimmonii J. Graham in Cat. Pl. Bombay 21. 1839; [GEC, 1996; Trees of Gujarat, 2008].

Eriolaena candollei Wall. in Pl. Asiat. Rar. 1: 51. 1830; Shah 120. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Eriolaena hookeriana Wight & Arn. in Prodr. Fl. Ind. Orient. 70. 1834; Shah 121. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Eriolaena quinquelocularis (Wight & Arn.) Wight in Icon. Pl. Ind. Orient.pl. 882. 1840; Raghavan *et al.* 13. 1981; [GEC, 1996].

Eriolaena stocksii Hook. f. & Thomson ex Mast. in Fl. Brit. India 1: 370. 1874; Shah 121. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Firmiana colorata (Roxb.) R. Br. in Pterocymbium 235. 1844; Shah 121. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Gossypium arboreum L. var. **arboreum** in Sp. Pl. 2: 693. 1753; Shah 100. 1978; Raghavan *et al.* 10. 1981; [GEC, 1996]; *Gossypium arboreum* var. *wightianum* (Tod.) M.R.Almeida in Fl. Maharashtra 1: 106. 1996; [Parmar, 2006].

Gossypium arboreum L. var. **obtusifolium** (Roxb.) Roberty in Candollea 13: 38-39. 1950; Raghavan *et al.* 10. 1981.

Gossypium barbadense L. in Sp. Pl. 2: 693. 1753; Shah 100. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Gossypium herbaceum L. var. **acerifolium** (Guill & Perr.) A. Chev. in Compt. Rend. Hebd. Seances Acad. Sci. 208: 25. 1939; Shah 100. 1978; [GEC, 1996].

Gossypium hirsutum L. in Sp. Pl. (ed. 2) 2: 975. 1763; Raghavan *et al.* 11. 1981.

Gossypium stocksii Mast. in Fl. Brit. India 1: 346; Shah 101. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Grewia abutilifolia W. Vent ex Juss. in Ann. Mus. Natl. Hist. Nat. 4: 92. 1804; Shah 130. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Grewia asiatica L. in Mant. Pl. 122; [Trees of Gujarat, 2008]; *Grewia subinaequalis* DC. in Prodr. 1: 511. 1824; Shah 132. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Grewia damine Gaertn. in Fruct. Sem. Pl. 2: 113. 1790; Shah 131. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

!**Grewia eriocarpa** Juss. in Ann. Mus. Natl. Hist. Nat. 4: 93 1804; *Grewia tiliifolia* Vahl var. leptopetala T.Cooke in Fl. Pres. Bombay 1: 142. 1901; Shah 133. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Grewia flavescens Juss. in Ann. Mus. Natl. Hist. Nat. 4: 91. 1804; Shah 131. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Grewia hirsuta Vahl in Symb. Bot. 1: 34. 179; Shah 132. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

!**Grewia multiflora** Juss. in Ann. Mus. Natl. Hist. Nat. 4: 89 1804; *Grewia disperma* Rottler ex Spreng. in Syst. Veg. 2: 579. 1825; Shah 131. 1978; [GEC, 1996].

!**Grewia orientalis** L. in Sp. Pl. 964 1753; *Grewia columnaris* Sm. in Cycl. 17: 5. 1811; Shah 130. 1978; [GEC, 1996].

Grewia serrulata DC. in Prodr. 1: 510. 1824; [Trees of Gujarat, 2008].

Grewia tenax (Forssk.) Fiori in Agric. Colon. 5: Suppl. 23. 1912; Shah 132. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Grewia tiliifolia Vahl in Symb. Bot. 1: 35. 1790; Shah 133. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Grewia villosa Willd. in Neue Schriften Ges. Naturf. Freunde Berlin 4: 205. 1803; Shah 133. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Guazuma ulmifolia Lam. in Encycl. 3: 52-53. 1789; Shah 122. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Helicteres isora L. in Sp. Pl. 963. 1753; Shah 122. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Hibiscus caesius Garcke in Bot. Zeitung 7: 850. 1849; Shah 103. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus cannabinus L. in Syst. Nat. ed. 10 2: 1149. 1759; Shah 103. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus hirtus L. in Sp. Pl. 2: 694. 1753; Shah 104. 1978; [GEC, 1996].

Hibiscus hispidissimus Griff. in Not. Pl. Asiat. 4: 521. 1854; *Hibiscus furcatus* Willd. in Enum. Hort. Berol. Alt. 736. 1821; Shah 103. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus lobatus (Murray) Kuntze in Revis. Gen. Pl. 3(3): 19. 1898; Shah 104. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus lunarifolius Willd. Sp. Pl. 3: 811. 1800; Shah 105. 1978; [GEC, 1996].

!**Hibiscus micranthus** L. f. in Suppl. Pl. 308 1782; *Hibiscus ovalifolius* (Forssk.) Vahl in Symb. Bot. 1: 50. 1790; Shah 105. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus obtusilobus Garcke in Bot. Zeitung 7: 837. 1849; Raghavan *et al.* 11. 1981; [GEC, 1996]; *Hibiscus punctatus* Dalzell in Bombay Fl. 20. 1861; Shah 106. 1978; [GEC, 1996].

Hibiscus palmatus Forssk. in Fl. Aegypt. Arab. 117-126. 1775; Shah 105. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus panduriformis Burm. f. in Fl. Indica 151t. 47,f. 2. 1768; Shah 106. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus radiatus Cav. in Diss. 3: 150-151pl. 54,f. 2. 1787; Shah 106. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus rosa-sinensis L. in Sp. Pl. 2: 694. 1753; Shah 107. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus sabdariffa L. in Sp. Pl. 2: 695-696. 1753; Shah 107. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus schizopetalus (Dyer) Hook. f. Bot. Mag. 106: pl. 6524. 1880; Shah 107. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus surattensis L. in Sp. Pl. 2: 696. 1753; Shah 108. 1978; [GEC, 1996].

!**Hibiscus talbotii** (Rakshit) T. K. Paul & M. P. Nayer Bull. Bot. Surv. India 22: 198. 1980; *Hibiscus hirtus* var. *talbotii* Rakshit in Sci. & Cult. 27: 193. 1961; Raghavan *et al.* 11. 1981.

Hibiscus trionum L. in Sp. Pl. 2: 697. 1753; Shah 108. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Hibiscus vitifolius L. in Sp. Pl. 2: 696. 1753; Shah 108. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Kleinhovia hospita L. in Sp. Pl. (ed. 2) 2: 1365-1366. 1763; [Trees of Gujarat, 2008].

Kydia calycina Roxb. in Pl. Coromandel 3: 11, pl. 215. 1819; Shah 109. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Malachra capitata (L.) L. in Syst. Nat. (ed. 12) 2: 458. 1767; Shah 109. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Malva parviflora L. in Demonstr. Pl. 18. 1753; Shah 109. 1978; [GEC, 1996].

Malva verticillata L. in Sp. Pl. 2: 689. 1753; Raghavan *et al.* 11. 1981.

Malvastrum coromandelianum (L.) Garcke in (Hannover) 5: 295-297. 1857; Shah 110. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Malvaviscus arboreus Cav. in Diss. 3: 131-132. 1787; Raghavan *et al.* 11. 1981; [GEC, 1996].

Melhania denhamii R. Br. in Narr. Travels Africa 232. 1826; Shah 123. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996].

Melhania futteyporensis Munro ex Mast. var. **futteyporensis** in Fl. Brit. India 1: 373 1875; Shah 123. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996].

Melhania futteyporensis Munro ex Mast. var. **major** (Blatt. & Hallb.) Santapau in Journ. Bombay Nat. Hist. Soc. 56:278. 1958; [Pandey & Padhye, 2005].

Melhania hamiltoniana Wall. in Pl. Asiat. Rar. 1: 69 -70pl. 77. 1830; Raghavan *et al.* 13. 1981; [GEC, 1996].

Melochia corchorifolia L. in Sp. Pl. 2: 675. 1753; Shah 123. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996].

Microcos paniculata L. in Sp. Pl. 1: 514. 1753; Shah 134. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Pavonia arabica Hochst. ex Steud. Var. **arabica** in Nomencl. Bot. (ed. 2) 2: 279. 1840; Shah 111. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Pavonia arabica Hochst. Ex Steud. Var. **glutinosa** Blatt. & Hallb. in Journ. Bombay Nat. Hist. Soc. 26:227. 1918; [pandey *et al.*, 2011].

!**Pavonia burchellii** (DC.) R. A. Dyer in Bull. Misc. Inform. Kew 1932: 152 1932; *Pavonia patens* (Andr.) Chiv. in Ann. Bot. 13: 409. 1915; Shah 112. 1978; [GEC, 1996].

Pavonia ceratocarpa Dalzell ex Mast. in Fl. Brit. India 1: 331. 1874; Shah 111. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Pavonia cancellata (L.) Cav. in Diss. 3: 135 1787; *Pavonia procumbens* Casar. Nov. Stirp. Bras. 39. 1842; Raghavan *et al.* 11. 1981; [GEC, 1996; Pandey, 2001].

Pavonia zeylanica Cav. in Diss. 3, Tertia Diss. Bot. 134. 1787; Shah 112. 1978; Raghavan *et al.* 11. 1981; [GEC, 1996].

Pentapetes phoenicea L. in Sp. Pl. 2: 698. 1753; Shah 124. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996].

Pterospermum acerifolium (L.) Willd. in Sp. Pl. 3: 729. 1800; Raghavan *et al.* 13. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Pterospermum suberifolium (L.) Willd. in Sp. Pl. 3: 728. 1800; Raghavan *et al.* 13. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Pterygota alata (Roxb.) R. Br. in Pterocymbium 234. 1844; [Trees of Gujarat, 2008].

Senra incana Cav. in Diss. 2: 83. 1786; Shah 112. 1978; Raghavan *et al.* 12. 1981; [GEC, 1996].

Sida acuta Burm. f. in Fl. Indica 147. 1768; Shah 114. 1978; Raghavan *et al.* 12. 1981; [GEC, 1996].

!**Sida alnifolia** L. in Sp. Pl. 2: 684 684 1753; *Sida rhombifolia* subsp. *retusa* (L.) Borss. in Waalk. in Blumea 14(1): 198-199. 1966; Raghavan *et al.* 12. 1981; *Sida retusa* L. in Sp. Pl. (ed. 2) 2: 961. 1763; Shah 116. 1978; [GEC, 1996].

Sida cordata (Burm. f.) Borss. in Waalk. Blumea 14(1): 182-184. 1966; Shah 114. 1978; Raghavan *et al.* 12. 1981; [GEC, 1996].

Sida cordifolia L. in Sp. Pl. 2: 684. 1753; Shah 115. 1978; Raghavan *et al.* 12. 1981; [GEC, 1996].

!**Sida glabra** Mill. in Gard. Dict. ed. 8 no. 14 1768; *Sida glutinosa* Cav. in Diss. 1: 16. 1785; Shah 115. 1978; [GEC, 1996].

Sida mysorensis Wight & Arn. Prodr. Fl. Ind. Orient. 1: 59. 1834; Raghavan *et al.* 12. 1981.

!**Sida orientalis** Cav. in Diss. 1: 21. 1981. pl. 12, f. 1 21 1785; Shah 115. 1978; [GEC, 1996].

Sida ovata Forssk. in Fl. Aegypt.-Arab. 116124. 1775; Shah 116. 1978; Raghavan *et al.* 12. 1981; [GEC, 1996].

Sida rhombifolia L. in Sp. Pl. 2: 684. 1753; Raghavan *et al.* 12. 1981.

!**Sida spinosa** L. in Sp. Pl. 683 1753; *Sida alba* L. in Sp. Pl. (ed. 2) 2: 960. 1763; Shah 114. 1978; Raghavan *et al.* 12. 1981; [GEC, 1996].

Sida tiagii Bhandari in Ann. Arid Zone 16(4): 455.1977; et Fl. Indian Desert: 74. 1978; [GEC, 1996].

Sterculia foetida L. in Sp. Pl. 2: 1008. 1753; Raghavan *et al.* 13. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Sterculia gutata** Roxb. in Hort. Bengal. 50. 1814; [GEC, 1996; Trees of Gujarat, 2008].

Sterculia urens Roxb. in Pl. Coromandel 1: 25, t. 24. 1795; Shah 124. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Sterculia villosa Roxb. in Fl. Ind., ed. 1832 3: 153-154. 1832; Shah 125. 1978; Raghavan *et al.* 13. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Theobroma cacao L. in Sp. Pl. 2: 782. 1753; [Trees of Gujarat, 2008].

Thespesia lampas (Cav.) Dalzell in Bombay Fl. 19. 1861; Raghavan *et al.* 12. 1981; [GEC, 1996].

Thespesia populnea (L.) Sol. ex Correa in Ann. Mus. Natl. Hist. Nat. 9: 290. 1807; Shah 117. 1978; Raghavan *et al.* 12. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Triumfetta annua L. in Mant. Pl. 1: 73. 1767; Shah 135. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Triumfetta pentandra A. Rich. in Fl. Seneg. Tent. 1: 93, t. 19. 1831; Shah 135. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Triumfetta pilosa Roth in Nov. PL. in Sp. 223. 1821; Raghavan *et al.* 14. 1981; [GEC, 1996; Meena, 2007].

Triumfetta rhomboidea Jacq. var. **pentandra** (A. Rich.) J. L. Ellis in Bull. Bot. Surv. India 24(1–4): 209. 1983.

Triumfetta rhomboidea Jacq. var. **rhomboidea** in Enum. Syst. Pl. 22. 1760; Shah 135. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Triumfetta rotundifolia Lam. in Encycl. 3: 421. 1792; Shah 135. 1978; Raghavan *et al.* 14. 1981; [GEC, 1996].

Urena lobata L. var. **lobata** in Sp. Pl. 2: 692. 1753; Shah 117. 1978; Raghavan *et al.* 12. 1981; [GEC, 1996].

!**Urena lobata** L. var. **sinuata** (L.) Miq. in Pl. Jungh. 283 283 1855; *Urena lobata* subsp. *sinuata* (L.) Borss. Waalk. in Blumea 14(1): 142. 1966; Raghavan *et al.* 12. 1981.

Waltheria indica L. in Sp. Pl. 2: 673. 1753; Shah 125. 1978; [GEC, 1996]; *Waltheria americana* L. in Sp. Pl. 2: 673. 1753; Raghavan *et al.* 13. 1981.

Muntingiaceae C. BayerM.W. Chase & M. f. Fay

Muntingia calabura L. in Sp. Pl. 1: 509. 1753; [Trees of Gujarat, 2008].

Combretaceae R. Br.

Anogeissus latifolia (Roxb. ex DC.) Wall. ex Bedd. in Fl. Sylv. S. India 1: 15. 1869; Shah 297. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Anogeissus pendula Edgew. in J. Asiat. Soc. Bengal 21: 171. 1853; Shah 297. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Anogeissus sericea Brandis var. **nummularia** King ex Duthie in Fl. Gangetic Plain 1(1): 340. 1903; [Trees of Gujarat, 2008]; *Anogeissus coronata* Stapf in Bull. Misc. Inform. Kew 1914: 153. 1914; Raghavan *et al.* 34. 1981; [GEC, 1996].

Anogeissus sericea Brandis var. **sericea** in Indian Forester 25: 287. 1899; Shah 298. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Combretum coccineum (Sonn.) Lam. in Encycl. 1: 734. 1785; Shah 298. 1978; [GEC, 1996].

!**Combretum indicum** (L.) De Filipps in Useful Pl. Dominica 277. 1998; *Quisqualis indica* L. in Sp. Pl. ed. 2 556. 1762; Shah 299. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996].

Combretum ovalifolium Roxb. in Fl. Ind., ed. 1820 2: 226. 1832; Shah 299. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996].

!**Getonia floribunda** Roxb. in Pl. Coromandel 1: 61 1795; *Calycopteris floribunda* (Roxb.) Lam. ex Poir. in Encycl. Suppl. 2: 41. 1811; Shah 298. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996].

Lumnitzera racemosa Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 187. 1803; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Terminalia arjuna (Roxb. ex DC.) Wight & Arn. in Prodr. Fl. Ind. Orient. 314. 1834; Shah 300. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Terminalia bellirica (Gaertn.) Roxb. in Pl. Coromandel 2: 54. 1805; Shah 300. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Terminalia catappa L. in Mant. Pl. 128. 1767; Shah 301. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Terminalia chebula Retz. in Observ. Bot. 5: 31. 1789; Shah 301. 1978; Raghavan *et al.* 34. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Terminalia crenulata Roth in Nov. PL. in Sp. 380. 1821; Shah 301. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996].

Terminalia elliptica Willd. in Sp. Pl. 4: 969. 1806; [Trees of Gujarat, 2008]; *Terminalia alata* Heyne ex Rothin Nov. Pl. Ind. Or. 379. 1821; Raghavan *et al.* 34. 1981.

Terminalia muelleri Benth. in Fl. Austral. 2: 500. 1864; [Trees of Gujarat, 2008].

Lythraceae J. St.-Hil.

Ammannia auriculata Willd. in Hort. Berol. 1: 7. 1806; Raghavan *et al.* 35. 1981; [GEC, 1996].

Ammannia baccifera L. in Sp. Pl. 120. 1753; Shah 305. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996].

Ammannia desertorum Blatt. & Hallb. in J. Bombay Nat. Hist. Soc. 26: 213. 1918; Shah 306. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996].

Ammannia multiflora Roxb. in Fl. Ind. 1: 447. 1820; Shah 306. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996].

Ammannia octandra L. f. in Suppl. Pl. 127. 1782; Raghavan *et al.* 35. 1981; [GEC, 1996].

Ammannia senegalensis Lam. in Tabl. Encycl. 1: 312. 1792; Shah 306. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996].

Duabanga grandiflora (DC.) Walp. in Repert. Bot. Syst. 2: 114. 1843; *Lagerstroemia grandiflora* Roxb. ex DC. in Mém. Soc. Phys. Genève 3(2): 84. 1826; [Trees of Gujarat, 2008].

Lagerstroemia indica L. in Syst. Nat. ed. 10 2: 1076. 1759; Shah 307. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Lagerstroemia lanceolata Wall. in Numer. List 2120. 1829; Shah 308. 1978; [GEC, 1996]; *Lagerstroemia microcarpa* Wight in Icon. Pl. Ind. Orient. 1(6-8): t. 109. 1839; Raghavan *et al.* 36. 1981; [Trees of Gujarat, 2008].

Lagerstroemia parviflora Roxb. in Pl. Coromandel 1: 48. 1796; Shah 308. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Lagerstroemia speciosa (L.) Pers. in Syn. Pl. 2: 72. 1806; Shah 308. 1978; [GEC, 1996; Trees of Gujarat, 2008]; *Lagerstroemia reginae* Roxb. in Pl. Coromandel 1: 46. 1796; Raghavan *et al.* 36. 1981.

Lawsonia inermis L. in Sp. Pl. 340. 1753; Shah 309. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996].

Nesaea brevipes Koehne in Bot. Jahrb. Syst. 3: 326. 1882; Raghavan *et al.* 36. 1981; [GEC, 1996].

Nesaea lanceolata Koehne in Bot. Jahrb. Syst. 3: 325. 1882; [Pandey & Padhye, 2005].

Punica granatum L. in Sp. Pl. 1: 472. 1753; Shah 312. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Rotala densiflora (Roth) Koehne in Bot. Jahrb. Syst. 1(2): 164. 1880; Shah 310. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996].

Rotala indica (Willd.) Koehne in Bot. Jahrb. Syst. 1(2): 172. 1880; Shah 310. 1978; Raghavan *et al.* 36. 1981.

Rotala mexicana Cham. & Schltdl. in Linnaea 5: 67. 1830; [171].

Rotala occultiflora Koehne in Bot. Jahrb. Syst. 1: 152. 1881; Shah 310. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996].

Rotala serpyllifolia (Roth) Bremek. in Acta Bot. Neerl. 3: 149. 1954; Shah 310. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996].

Sonneratia alba Sm. in Cycl. 33(I): Sonneratia no. 2. 1816; [Kothari & Rao, 2001].

Sonneratia apetala Buch. -Ham. in Embassy Ava 477. 1800; Raghavan *et al.* 36. 1981; [Trees of Gujarat, 2008; Kothari & Rao, 2001].

Sonneratia caseolaris (L.) Engl. in Nat. Pflanzenfam. Nachtr. 1: 261. 1897; [Kothari & Rao, 2001].

Trapa natans L. var. **bispinosa** (Roxb.) Makino in Bot. Mag. (Tokyo) 11: 283. 1897; Shah 314. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996].

Woodfordia fruticosa (L.) Kurz in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 40(2): 56. 1871; Shah 311. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996].

Ammannia nagpurensis T. Mathew & M. P. Nayar in Bull. Bot. Surv. India 31: 158. 1989. publ. 1992.

Melastomataceae Juss.

Osbeckia muralis Naudin in Ann. Sci. Nat., Bot. sér. 3, 14: 56. 1850.

Osbeckia truncata D. Don ex Wight & Arn. Prodr. in Fl. Ind. Orient. 1: 322. 1834; [GEC, 1996].

Sonerila erecta Jack in Malayan Misc. 1(5): 7. 1820. Sonerila tenera Royle in Ill. Bot. Himal. Mts. 215, pl. 45, f. 2. 215. 1834; Shah 304. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996].

Myrtaceae Juss.

Callistemon citrinus (Curtis) Skeels in Bull. Bur. Pl. Industr. U.S.D.A. 282: 49. 1913; [Trees of Gujarat, 2008].

Callistemon rigidus R. Br. in Bot. Reg. 5: t. 393. 1819.

Callistemon viminalis (Sol. ex Gaertn.) G. Don ex Loudon in Hort. Brit. 1: 197. 1830; [Trees of Gujarat, 2008].

Corymbia citriodora (Hook.) K. D. Hill & L. A. S. Johnson in Telopea 6(2-3): 388. 1995; [Trees of Gujarat, 2008]; *Eucalyptus citriodora* Hook. in J. Exped. Trop. Australia 235. 1848; Shah 302. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996].

Eucalyptus camaldulensis Dehnh. in Cat. Horti Camald. ed. 2: 20. 1832; [Trees of Gujarat, 2008]; *Eucalyptus camaldulensis* var. *obtusaa* Blakely in Key Eucalypts 135. 1934.

Eucalyptus globulus Labill. in Voy. Rech. Pérouse 1: 153. 1800; Shah 302. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Eucalyptus grandis W. Hill in Cat. Nat. Indust. Prod. Queensland 25. 1862; [Trees of Gujarat, 2008].

Eucalyptus robusta Sm. in Spec. Bot. New Holland 4: 39. 1795; Raghavan *et al.* 35. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Eucalyptus tereticornis Sm. in Spec. Bot. New Holland 4: 41. 1795; [Trees of Gujarat, 2008].

Melaleuca leucadendra (L.) L. in Mant. Pl. 1: 105. 1767; [Trees of Gujarat, 2008].

Myrtus communis L. in Sp. Pl. 1: 471. 1753; Raghavan *et al.* 35. 1981; [GEC, 1996].

Pimenta dioica (L.) Merr. in Contr. Gray Herb. n.s., 165: 337. 1947; [Trees of Gujarat, 2008].

Psidium guajava L. in Sp. Pl. 470. 1753; Shah 302. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Syzygium cumini (L.) Skeels in Bull. Bur. Pl. Industr. U.S.D.A. 248: 25. 1912; Shah 303. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Syzygium malaccense (L.) Merr. & L. M. Perry in J. Arnold Arbor. 19: 215. 1938; [Trees of Gujarat, 2008].

Syzygium rubicundum Wight & Arn. in Prodr. Fl. Ind. Orient. 330. 1834; Shah 303. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Syzygium salicifolium (Wight) J. Graham in Cat. Pl. Bombay: 73. 1839; *Syzygium heyneanum* (Duthie) Wall. Ex Wight & Arn. in Prodr. 1: 329. 1834; Shah 303. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Onagraceae Juss.

Ludwigia adscendens (L.) H. Hara in J. Jap. Bot. 28(10): 291. 1953; Shah 313. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996].

Ludwigia hyssopifolia (G. Don) Exell in Garcia de Orta 5: 471. 1957; [Meena, 2007].

!**Ludwigia octovalvis** (Jacq.) P. H. Raven in Kew Bull. 15: 476 1961 publ. 1962; *Ludwigia octovalvis* subsp. *sessiliflora* (Micheli) P.H.Raven in Kew Bull. 15: 476. 1962; Shah 313. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996].

Ludwigia perennis L. in Sp. Pl. 1: 119. 1753; Shah 313. 1978; Raghavan *et al.* 36. 1981; [GEC, 1996].

Ludwigia prostrata Roxb. in Fl. Ind., ed. 1: 441. 1820; [Meena, 2007].

Anacardiaceae R. Br.

Anacardium occidentale L. in Sp. Pl. 1: 383. 1753; Shah 166. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Buchanania cochinchinensis** (Lour.) M. R. Almeida in Fl. Maharashtra 1: 287 1996; *Buchanania lanzan* Spreng. in J. Bot. (Schrader) 1800(2): 234. 1801; Shah 166. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Lannea coromandelica (Houtt.) Merr. in J. Arnold Arbor. 19(4): 353. 1938; Shah 167. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Mangifera indica L. in Sp. Pl. 1: 200. 1753; Shah 167. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Rhus mysurensis B. Heyne ex Wight & Arn. in Prodr. Fl. Ind. Orient. 172. 1834; Shah 168. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996].

Schinus molle L. in Sp. Pl. 388. 1753; [Trees of Gujarat, 2008].

Semecarpus anacardium L. f. in Suppl. Pl. 182. 1782; Shah 168. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Spondias pinnata (L. f.) Kurz in Prelim. Rep. Forest Pegu Appendix A: 44, Appendix B: 42. 1875; Shah 169. 1978; Raghavan *et al.* 20. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Burseraceae Kunth

Boswellia serrata Roxb. in Asiat. Res. 9: 379. 1807; Shah 147. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Bursera penicillata (DC.) Engl. in Bot. Jahrb. Syst. 1: 44. 1880; [Trees of Gujarat, 2008].

Commiphora stocksiana (Engl.) Engl. in Monogr. Phan. 4: 17. 1883; [Patel, 2012].

Commiphora wightii (Arn.) Bhandari in Bull. Bot. Surv. India 6: 327. 1965; Shah 148. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Garuga pinnata Roxb. in Hort. Bengal. 33. 1814; Shah 148. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Meliaceae Juss.

Aglaia elaeagnoidea (A. Juss.) Benth. in Fl. Austral. 1: 383; [Trees of Gujarat, 2008].

Aglaia odoratissima Blume in Bijdr. 171. 1825.

Aphanamixis polystachya (Wall.) R. Parker in Indian Forester 57: 486. 1931; [Trees of Gujarat, 2008].

Azadirachta indica A. Juss. in Mem. Mus. Hist. Nat. 19: 221, pl. 2,f. 5. 1830; Shah 149. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Chukrasia tabularis A. Juss. in Mem. Mus. Hist. Nat. 19: 251, pl. 22. 1830; [Trees of Gujarat, 2008].

Heynea trijuga Roxb. ex Sims in Bot. Mag. 42: t. 1738 1815; *Trichilia connaroides* (Wight & Arn.) Bentv. in Acta Bot. Neerl. 11: 13. 1962; Raghavan *et al.* 17. 1981; [GEC, 1996].

Khaya senegalensis (Desr.) A. Juss. in Mem. Mus. Hist. Nat. 19: 250. 1830; [Trees of Gujarat, 2008].

Melia azedarach L. in Sp. Pl. 1: 384-385. 1753; Shah 150. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Melia dubia Cav. in Diss. 7: 364. 1789; Raghavan *et al.* 17. 1981; [Trees of Gujarat, 2008]; *Melia composita* willd. in Sp. Pl. 2: 559. 1799; Shah 150. 1978; [GEC, 1996].

Soymida febrifuga (Roxb.) A. Juss. in Mem. Mus. Hist. Nat. 19: 251. 1832; Shah 150. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Swietenia macrophylla King in Hooker's Icon. Pl. 16: t. 1550. 1886; [Trees of Gujarat, 2008].

Swietenia mahagoni (L.) Jacq. in Enum. Syst. Pl. 20. 1760; [Trees of Gujarat, 2008].

Toona ciliata M. Roem. in Fam. Nat. Syn. Monogr. 1: 139. 1846; Raghavan *et al.* 17. 1981; [GEC, 1996; Trees of Gujarat, 2008]; *Cedrela toona* Roxb. ex Rottler & Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 198. 1803; [GEC, 1996].

Xylocarpus granatum J. Koenig in Naturforscher 20: 2. 1784; [Kothari & Rao, 2001].

Nitrariaceae Lindl.

Peganum harmala L. in Sp. Pl. 1: 444-445. 1753; Shah 139. 1978; Raghavan *et al.* 15. 1981; [GEC, 1996].

Rutaceae Juss.

Aegle marmelos (L.) Correa in Trans. Linn. Soc. London 5: 223. 1800; Shah 144. 1978; Raghavan *et al.* 16. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Chloroxylon swietenia DC. in Prodr. 1: 625. 1824; Raghavan *et al.* 16. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Citrus aurantiifolia (Christm.) Swingle in J. Wash. Acad. Sci. 3(18): 465. 1913; Raghavan *et al.* 16. 1981.

Citrus aurantium L. in Sp. Pl. 2: 782-783. 1753; Raghavan *et al.* 16. 1981.

!**Citrus limetta** Risso in Ann. Mus. Hist. Nat. 20: 195 1813; ** *Citrus limettioides* Tanaka in J. Indian Bot. Soc. 16: 236. 1937; Raghavan *et al.* 16. 1981.

Citrus limon (L.) Burm. f. in Fl. Indica 173. 1768; Shah 144. 1978; Raghavan *et al.* 16. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Citrus maxima (Burm.) Osbeck in Reise Ostindien 250. 1765; [Trees of Gujarat, 2008]; *Citrus grandis* (L.) Osbeckin in Dagb. Ostind. Resa 98. 1757; Raghavan *et al.* 16. 1981.

Citrus medica L. var. **acida** Brandis in Forest Fl. N.W. India 52. 1874; Raghavan *et al.* 16. 1981.

Citrus medica L. var. **medica** in Sp. Pl. 2: 782. 1753; Raghavan *et al.* 16. 1981; [Trees of Gujarat, 2008].

Citrus reticulata Blanco in Fl. Filip. 610. 1837; Raghavan *et al.* 16. 1981.

Citrus sinensis (L.) Osbeck in Reise Ostindien 250-251. 1765; [GEC, 1996; Trees of Gujarat, 2008].

Limonia acidissima L. in Sp. Pl. ed. 2 554. 1762; Shah 144. 1978; [GEC, 1996; Trees of Gujarat, 2008]; *Naringi crenulata* (Roxb.) Nicolson in Fl. Hassan Distr. 387. 1976; Raghavan *et al.* 16. 1981.

Limonia elephantum (Correa) Panigrahi in Taxon 26: 577. 1977; Raghavan *et al.* 16. 1981.

Murraya koenigii (L.) Spreng. in Syst. Veg. 2: 315. 1817; Shah 145. 1978; Raghavan *et al.* 16. 1981; [GEC, 1996]; *Bergera koenigii* (L.) Spreng in Mant. Pl. 2: 55-63. 1771; [Trees of Gujarat, 2008].

Murraya paniculata (L.) Jack in Malayan Misc. 1(5): 31. 1820; Shah 145. 1978; Raghavan *et al.* 16. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Ruta graveolens L. in Sp. Pl. 1: 383. 1753; Raghavan *et al.* 16. 1981; [GEC, 1996].

Sapindaceae Juss.

Cardiospermum corindum L. in Sp. Pl. 526 1753; *Cardiospermum canescens* Wall. in Pl. Asiat. Rar. 1: 14. 1829; Shah 163. 1978; [GEC, 1996].

Cardiospermum halicacabum L. in Sp. Pl. 1: 366-367. 1753; Shah 163. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996].

Dodonaea viscosa Jacq. in Enum. Syst. Pl. 19. 1760; Shah 164. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996].

Filicium decipiens (Wight & Arn.) Thwaites in Enum. Pl. Zeyl. 408. 1864; [Trees of Gujarat, 2008].

Harpullia arborea (Blanco) Radlk. in Sitzungsber. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. München 16: 404. 1886; [Trees of Gujarat, 2008].

Lepisanthes tetraphylla (Vahl) Radlk. in Sitzungsber. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. München 8: 276. 1878; Raghavan *et al.* 19. 1981; [GEC, 1996].

Litchi chinensis Sonn. in Voy. Ind. Orient. 3: 255-258. 1782; [Trees of Gujarat, 2008]; *Nephelium litchi* Cambess. in Mem. Mus. Hist. Nat. 18: 30. 1829; Raghavan *et al.* 19. 1981; [GEC, 1996].

Sapindus laurifolius Vahl in Symb. Bot. 3: 54. 1794; Shah 164. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996].

Sapindus trifoliatus L. in Sp. Pl. 36(1): 586. 1753; [Trees of Gujarat, 2008]; *Sapindus emarginatus* Vahl in Symb. Bot. 3: 54. 1794; Shah 164. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Schleichera oleosa** (Lour.) Merr. in Interpr. Rumph. Herb. Amboin. 337. 1917; ** *Schleichera oleosa* (Lour.) Oken in Allg. Naturgesch. 3(2): 1341. 1841; Shah 165. 1978; Raghavan *et al.* 19. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Simaroubaceae DC.

Ailanthus excelsa Roxb. in Pl. Coromandel 1: 24, pl. 23. 1795; Shah 146. 1978; Raghavan *et al.* 16. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Simarouba amara** Aubl. in Hist. Pl. Guiane 860. 1775; *Simarouba glauca* DC. in Ann. Mus. Natl. Hist. Nat. 17: 424. 1811; [Trees of Gujarat, 2008].

Aizoaceae Martinov

Sesuvium portulacastrum (L.) L. in Syst. Nat. ed. 10 2: 1058. 1759; Shah 337. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Sesuvium sesuvioides (Fenzl) Verdc. in Kew Bull. 12: 349. 1957; Shah 337. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Trianthema portulacastrum L. in Sp. Pl. 1: 223. 1753; Shah 338. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Trianthema triquetra Rottler & Willd. in Neue Schriften Ges. Naturf. Freunde Berlin 4: 181. 1803; Shah 338. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Zaleya decandra (L.) Burm. f. in Fl. Indica 110, t. 31 110. 1768; Shah 339. 1978; [GEC, 1996].

Zaleya govindia (Buch. -Ham. ex G. Don) N. C. Nair in Bull. Bot. Surv. India 8: 86. 1966; Shah 339. 1978; [GEC, 1996].

Zaleya redimita (Melville) Bhandari var. **flava** (Melville) Bhandari. in Fl. Indian Desert 185. 1978; Raghavan *et al.* 40. 1981.

Zaleya redimita (Melville) Bhandari var. **redimita** in Fl. Indian Desert 185. 1978; Raghavan *et al.* 40. 1981.

Amaranthaceae Juss.

Achyranthes aspera L. var. **aspera** in Sp. Pl. 204. 1753; Shah 587. 1978; Raghavan *et al.* 73. 1981; Bole & Pathak, 233. 1988; [GEC, 1996].

Achyranthes aspera L. var. **porphyristachya** (Wall. ex Moq.) Hook. f. in Fl. Brit. India 4: 730. 1885; Shah 587. 1978; Raghavan *et al.* 73. 1981; Bole & Pathak, 233. 1988; [GEC, 1996].

Achyranthes aspera L. var. **rubrofusca** (Wight) Hook. f. in Fl. Brit. India 4: 730. 1885; [Pandey, 2002].

!**Achyranthes aspera** L. var. **sicula** L. in Sp. Pl. 204 1753; *Achyranthes aspera* var. *argentea* (Lam.) Boiss. in Fl. Orient. 4: 994. 1879; Bole & Pathak, 232. 1988; [Pandey, 2002].

Aerva javanica (Burm. f.) Juss. ex Schult. var. **bovei** Webb in Niger Fl. 173. 1849.

Aerva javanica (Burm. f.) Juss. ex Schult. var. **javanica** in Ann. Mus. Hist. Nat. 11: 131. 1808; Shah 588. 1978; Raghavan *et al.* 73. 1981; [GEC, 1996]; *Aerva persica* (Burm. f.) Merr. in Philipp. J. Sci. 19: 348. 1921; Bole & Pathak, 234. 1988.

Aerva lanata (L.) Juss. ex Schult. in Syst. Veg. 5: 564. 1819; Shah 588. 1978; Raghavan *et al.* 73. 1981; Bole & Pathak, 234. 1988; [GEC, 1996].

Aerva sanguinolenta (L.) Blume in Bijdr. 547. 1826; Shah 589. 1978; Raghavan *et al.* 73. 1981; Bole & Pathak, 235. 1988; [GEC, 1996].

!**Alternanthera bettzickiana** (Regel) G. Nicholson in Ill. Dict. Gard. 1: 59. 1884; *Alternanthera amoena (*Lem.) Voss in Vilm. Blumengärtn. ed. 3 1: 869. 1895; Raghavan *et al.* 73. 1981; Bole & Pathak, 236. 1988; [GEC, 1996].

!**Alternanthera ficoidea** (L.) Sm. in Cycl. 39(2 Suppl.): n. 8. 1819; *Alternanthera tenella* Colla in Mem. Reale Accad. Sci. Torino 33: 131. 1829; Raghavan *et al.* 73. 1981.

Alternanthera paronychioides A. St. -Hil. in Voy. Distr. Diam. 2(2): 43. 1833; Shah 590. 1978; Raghavan *et al.* 73. 1981; *Telanthera ficoidea* (Lam.) Moq. in Prodr. 13(2): 363. 1849; Raghavan *et al.* 74. 1981; [GEC, 1996]; *Alternanthera ficoidea* (L.) R. Br. in Prodr. 417. 1810; Shah 590. 1978; [GEC, 1996].

Alternanthera pungens Kunth in Nov. Gen. Sp. 2: 206. 1818; Shah 590. 1978; Raghavan *et al.* 73. 1981.

Alternanthera sessilis (L.) R. Br. ex DC. in Cat. Pl. Horti Monsp. 77. 1813; Shah 590. 1978; Raghavan *et al.* 73. 1981; Bole & Pathak, 236. 1988.

Amaranthus blitum L. subsp. **oleraceus** (L.) Hook. f. in Fl. Brit. India 4: 721. 1885; Raghavan *et al.* 73. 1981; [GEC, 1996]; *Amaranthus lividus* L. in Sp. Pl. 990. 1753; Shah 592. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 237. 1988.

Amaranthus caudatus L. in Sp. Pl. 990. 1753; Shah 592. 1978; Raghavan *et al.* 73. 1981; [GEC, 1996].

!**Amaranthus cruentus** L. in Syst. Nat. ed. 10 2: 1269 1759; *Amaranthus paniculatus* L. in Sp. Pl. (ed. 2) 2: 1406. 1763.

Amaranthus dubius Mart. ex Thell. in Fl. Adv. Montpellier 203. 1912; [GEC, 1996; Patil & Sabnis, 1982].

!**Amaranthus graecizans** L. in Sp. Pl. 990 1753; *Amaranthus graecizans* subsp. *thellungianus* (Nevski ex Vassilcz.) Gusev in Bot. Zhurn. (Moscow & Leningrad) 57: 462. 1972; Raghavan *et al.* 73. 1981; [GEC, 1996].

!**Amaranthus hybridus** L. in Sp. Pl. 990. 1753; *Amaranthus hybridus* var. *paniculatus* (L.) Thell. in Fl. Adv. Montpellier 205-206. 1912; Shah 592. 1978; Raghavan *et al.* 74. 1981; [GEC, 1996].

!**Amaranthus hypochondriacus** L. in Sp. Pl. 991. 1753; *Amaranthus hybridus* var. *erythrostachys* Moq. in Prodr. 13(2): 259. 1849; [Pandey, 2002].

Amaranthus palmeri S. Watson in Proc. Amer. Acad. Arts 12: 274. 1877; [Pandey, 2002].

Amaranthus retroflexus L. in Sp. Pl. 991. 1753; Raghavan *et al.* 74. 1981; [GEC, 1996].

Amaranthus spinosus L. in Sp. Pl. 991. 1753; Shah 593. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 237. 1988; [GEC, 1996].

Amaranthus tenuifolius Willd. in Sp. Pl. 4: 38. 1805; Shah 593. 1978; Raghavan *et al.* 74. 1981; [GEC, 1996].

Amaranthus tricolor L. in Sp. Pl. 989. 1753; Shah 593. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 238. 1988; [GEC, 1996]; *Amaranthus tricolor* var. *tristis* (L.) Nayar *et al.* in Rec. Bot. Surv. India 19(1): 113. 1964; Shah 594. 1978; [GEC, 1996].

Amaranthus viridis L. in Sp. Pl. (ed. 2) 1405. 1763; Shah 594. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 239. 1988; [GEC, 1996]; ***Amaranthus gracilis* Desf. in Tabl. École Bot. 43. 1804; Raghavan *et al.* 74. 1981.

Atriplex hortensis L. in Sp. Pl. 1053. 1753; Shah 598. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 245. 1988; [GEC, 1996].

Atriplex stocksii Boiss. in Diagn. Pl. Orient. II, 4: 73. 1859; Shah 598. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 246. 1988; [GEC, 1996].

Beta vulgaris L. in Sp. Pl. 222. 1753; Raghavan *et al.* 75. 1981; Bole & Pathak, 247. 1988.

Celosia argentea L. in Sp. Pl. 205. 1753; Shah 594. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 239. 1988; [GEC, 1996].

!**Centrostachys aquatica** (R. Br.) Moq. in Prodr. 13(2): 321. 1849; ***Centrostachys aquatica* (R. Br.) Wall. in Fl. Ind., ed. 1820 2: 497. 1824; Raghavan *et al.* 74. 1981; *Achyranthes aquatica* R.Br. in Prodr. Fl. Nov. Holl. 417. 1810; Shah 586. 1978; [GEC, 1996].

Chenopodium album L. in Sp. Pl. 219. 1753; Shah 599. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 248. 1988; [GEC, 1996].

Chenopodium murale L. in Sp. Pl. 219. 1753; Shah 599. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 248. 1988; [GEC, 1996].

Digera muricata (L.) Mart. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 13: 285. 1826; Shah 595. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 240. 1988; [GEC, 1996].

Dysphania schraderiana (Schult.) Mosyakin & Clemants in Syst. Veg. 6: 260. 1820; *Chenopodium foetidum* Lam. in Fl. Franç. 3: 244. 1779.

Gomphrena celosioides Mart. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 13: 301. 1826; Shah 595. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 241. 1988; [GEC, 1996].

Gomphrena globosa L. in Sp. Pl. 224. 1753; Shah 596. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 241. 1988; [GEC, 1996].

!**Halosarcia indica** (Willd.) Paul G. Wilson in Nuytsia 3: 63. 1980; *Salicornia brachiata* Roxb. in Hort. Bengal. 79. 1814; Fl. Ind. 1: 82. 1820; Shah 599. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 249. 1988; [GEC, 1996]; 1978; *Arthrocnemum indicum* (Willd.) Moq. in Chenop. Monogr. Enum. 113. 1840; Shah 597. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 245. 1988; [GEC, 1996].

Haloxylon salicornicum (Moq.) Bunge ex Boiss. in Fl. Orient. 4: 949. 1879; Raghavan *et al.* 75. 1981; [GEC, 1996].

Haloxylon stocksii (Boiss.) Benth. & Hook. in Gen. Pl. 3: 70. 1883; *Haloxylon recurvum* (Moq.) Bunge ex Boiss. in Fl. Orient. 4(2): 949. 1879; Raghavan *et al.* 75. 1981; [GEC, 1996].

Kochia indica Wight in Icon. Pl. Ind. Orient. 5: 2, pl. 2. 1791; [Pandey, 2002].

Nothosaerva brachiata (L.) Wight in Icon. Pl. Ind. Orient. 6: 1. 1853; Shah 596. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 242. 1988; [GEC, 1996].

Psilostachys sericea Hook. f. in Gen. Pl. 3: 32. 1880; Shah 596. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 243. 1988; [GEC, 1996].

Pupalia lappacea (L.) Juss. var. **lappacea** in Ann. Mus. Natl. Hist. Nat. 2: 132. 1803; Shah 597. 1978; Raghavan *et al.* 74. 1981; Bole & Pathak, 243. 1988; [GEC, 1996].

Pupalia lappacea (L.) Juss. var. **velutina** (Moq.) Hook. f. in Fl. Brit. India 4: 724. 1885; [Pandey & Padhye, 1997].

Pupalia orbiculata (Heyne) Wight in Icon. Pl. Ind. Orient. 5: t. 1783. 1852; Raghavan *et al.* 74. 1981; [GEC, 1996].

Salsola imbricata Forssk. in Fl. Aegypt.-Arab. 57. 1775; *Salsola baryosma* (Schult.) Dandy in Fl. Pl. A.-E. Sudan 1: 111. 1950; Shah 600. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 249. 1988; [GEC, 1996].

Spinacia oleracea L. in Sp. Pl. 1027. 1753; Raghavan *et al.* 75. 1981.

Suaeda vermiculata Forssk. ex J.F.Gmel. in Onomat. Bot. Compl. 8: 798 1776; *Suaeda fruticosa* Forssk. in Fl. Aegypt. Arab. 70. 1775; Shah 600. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 250. 1988; [GEC, 1996].

Suaeda maritima (L.) Dumort. in Fl. Belg. 22. 1827; Shah 601. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 251. 1988; [GEC, 1996]; *Suaeda nudiflora* Moq. in Prodr. 13(2): 155. 1849; Shah 601. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 251. 1988; [GEC, 1996]; *Suaeda monoica* Forssk. ex J. F. Gmel. in Syst. Nat. (ed. 13) 2: 503. 1791; Raghavan *et al.* 75. 1981; [GEC, 1996].

!**Trichuriella monsoniae** (L. f.) Bennet in Indian J. Forest. 8: 86 86 1985; *Aerva monsoniae* (L. f.) Mart. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 13(1): 291. 1825; Shah 588. 1978; [GEC, 1996]; *Trichurus monsoniae* (L. f.) C.C. Towns. in Kew Bull. 29(3): 466. 1974; Raghavan *et al.* 74. 1981.

Basellaceae Raf.

Basella alba L. in Sp. Pl. 272. 1753; Bole & Pathak, 246 Basella rubra L. in Sp. Pl. 272. 1753; Shah 601. 1978; Raghavan *et al.* 75. 1981; [GEC, 1996].

Cactaceae Juss.

Opuntia elatior Mill. in Gard. Dict. (ed. 8) 4. 1768; Shah 333. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Opuntia ficus-indica (L.) Mill. in Gard. Dict. (ed. 8) 2. 1768.

Caryophyllaceae Juss.

Dianthus chinensis L. in Sp. Pl. 1: 411. 1753; Raghavan *et al.* 8. 1981.

Polycarpaea corymbosa (L.) Lam. in Tabl. Encycl. 2: 129. 1797; Shah 82. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996].

Polycarpaea spicata Wight & Arn. in Ann. Nat. Hist. 3: 91. 1831; Shah 82. 1978; Raghavan *et al.* 8. 1981; [GEC, 1996].

Polycarpon prostratum (Forssk.) Asch. & Schweinf. ex Asch. in Oesterr. Bot. Z. 39: 128. 1889; Shah 83. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

Polycarpon tetraphyllum (L.) L. in Syst. Nat. 2: 881. 1759; Raghavan *et al.* 9. 1981; [GEC, 1996].

Spergula arvensis L. in Sp. Pl. 1: 440. 1753; Shah 83. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

Spergula fallax (Lowe) E. H. L. Krause in Deutschl. Fl. (Sturm), ed. 2. 5: 19. 1901; Shah 84. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

!Spergula morisonii Boreau in Rev. Bot. Recueil Mens. 2: 424 1847; *Spergula vernalis* Willd. in Fl. Berol. Prod. 158; Shah 84. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

!Vaccaria hispanica (Mill.) Rauschert in Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg, Math.-Naturwiss. Reihe 14: 496 1965; *Vaccaria pyramidata* Medik. in Philos. Bot. 1: 96. 1789; Shah 84. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

Droseraceae Salisb.

Drosera indica L. in Sp. Pl. 1: 282. 1753; [171].

Gisekiaceae Nakai

Gisekia pharnaceoides L. var. **pharnaceoides** Mant. Pl. 2: 562. 1771; Shah 334. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Gisekia pharnaceoides L. var. **pseudopaniculata** C. Jeffrey in Kew Bull. 14: 235. 1960; [Pandey & Padhye, 1997].

Molluginaceae Bartl.

Corbichonia decumbens (Forssk.) Exell in J. Bot. 73: 80. 1935; Shah 336. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Glinus lotoides L. in Sp. Pl. 463. 1753; Shah 334. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Glinus oppositifolius (L.) A. DC. in Bull. Herb. Boissier II, 1: 559. 1901; Shah 334. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Mollugo cerviana (L.) Ser. in Prodr. 1: 392. 1824; Shah 335. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Mollugo nudicaulis Lam. in Encycl. 4: 234. 1797; Shah 335. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Mollugo pentaphylla L. in Sp. Pl. 1: 89. 1753; Shah 336. 1978; Raghavan *et al.* 39. 1981; [GEC, 1996].

Nyctaginaceae Juss.

!**Boerhavia boissieri** Heimerl ex Vierh. in Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 71: 346 1907; *Commicarpus boissieri* (Heimerl) Cufod. in Bull. Jard. Bot. Natl. Belg. 39(Suppl.): xxi 1969; [Pandey, 2002]., Shah 583. 1978; Bole & Pathak, 229. 1988; [GEC, 1996].

!**Boerhavia chinensis** (L.) Rottb. in Pl. Hort. Univ. Rar. Prog. 4. 1773; ** *Boerhavia chinensis* (L.) Druce in Bot. Exch. Club Brit. Isles Rep. 3: 415. 1914; Shah 583. 1978; Raghavan *et al.* 72. 1981; Bole & Pathak, 227. 1988; [GEC, 1996].

Boerhavia diffusa L. in Sp. Pl. 3. 1753; Shah 583. 1978; Raghavan *et al.* 72. 1981; Bole & Pathak, 228. 1988; [GEC, 1996].

Boerhavia elegans Choisy in Prodr. 13(2): 453. 1849; Raghavan *et al.* 72. 1981; [GEC, 1996]; *Boerhavia rubicunda* Steud. in Nomencl. Bot. ed. 2, 1: 213. 1840; [Pandey, 2002].

Boerhavia erecta L. in Sp. Pl. 3. 1753; [Pandey, 2001, 182].

!**Boerhavia helenae** Roem. & Schult. in Mant. 1: 73 1822; *Commicarpus verticillatus* (Poir.) Standl. in Contr. U. S. Natl. Herb. 18: 101. 1916; Raghavan *et al.* 73. 1981.

Boerhavia procumbens Banks ex Roxb. in Fl. Ind. 1: 148. 1820; [Parmar, 2006; Pandey, 2005].

Boerhavia repens L. in Sp. Pl. 3. 1753; [Parmar, 2006].

Bougainvillea glabra Choisy in Prodr. 13(2): 437. 1849; Shah 584. 1978; Raghavan *et al.* 72. 1981; [GEC, 1996].

Bougainvillea spectabilis Willd. in Sp. Pl. 2: 348. 1799; Shah 584. 1978; Raghavan *et al.* 73. 1981; Bole & Pathak, 229. 1988; [GEC, 1996].

Mirabilis jalapa L. in Sp. Pl. 177. 1753; Shah 584. 1978; Raghavan *et al.* 73. 1981; Bole & Pathak, 230. 1988; [GEC, 1996].

Pisonia grandis R. Br. in Prodr. 1: 422. 1810; Raghavan *et al.* 73. 1981.

Pisonia mitis L. in Sp. Pl. 1026. 1753; Shah 585. 1978; Bole & Pathak, 231. 1981; [GEC, 1996].

Phytolaccaceae R. Br.

Rivinia humilis L. in Sp. Pl. 1: 121-122. 1753; Raghavan *et al.* 76. 1981; [GEC, 1996].

Plumbaginaceae Juss.

Dyerophytum indicum (Gibbs ex Wight) Kuntze in Revis. Gen. Pl. 2: 394. 1891; Shah 403. 1978; Bole & Pathak, 42. 1988; [GEC, 1996].

Limonium stocksii Kuntze in Revis. Gen. Pl. 2: 396. 1891; Shah 404. 1978; Raghavan *et al.* 48. 1981; Bole & Pathak, 43. 1988; [GEC, 1996].

Plumbago auriculata Lam. in Encycl. 2: 270. 1786; Raghavan *et al.* 48. 1981; Bole & Pathak, 44. 1988; [GEC, 1996].

Plumbago indica L. in Herb. Amb. 24. 1754; Raghavan *et al.* 48. 1981; Bole & Pathak, 44. 1988; [GEC, 1996].

Plumbago zeylanica L. in Sp. Pl. 151. 1753; Shah 404. 1978; Raghavan *et al.* 48. 1981; Bole & Pathak, 44. 1988; [GEC, 1996].

Polygonaceae Juss.

Antigonon leptopus Hook. & Arn. in Bot. Beechey Voy. 308. 1838; Shah 602. 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 252. 1988; [GEC, 1996].

Calligonum polygonoides L. in Sp. Pl. 530. 1753; Raghavan *et al.* 75. 1981; [GEC, 1996].

Coccoloba uvifera (L.) L. in Syst. Nat. ed. 10 2: 1007. 1759; [Trees of Gujarat, 2008].

!**Fagopyrum esculentum** Moench in Methodus 290. 1794; *Polygonum fagopyrum* L. in Sp. Pl. 364. 1753; Shah 603. 1978; [GEC, 1996].

!**Persicaria glabra** (Willd.) M. Gómez in Anales Inst. Segunda Enseñ. 2: 278. 1896; *Polygonum glabrum* Willd. in Sp. Pl. 2: 447. 1799; Shah 604. 1978; Raghavan *et al.* 75. 1981; [GEC, 1996].

!**Persicaria serrulata** (Lag.) Webb & Moq. in Hist. Nat. Iles Canaries 3: 219. 1846; *Polygonum serrulatum* Lag. in Gen. Sp. Pl. 14. 1816; Raghavan *et al.* 75. 1981.

!**Polygonum effusum** Meisn. in Prodr. 14: 93 93 1857; *Polygonum plebeium* var. *effusum* (Meisn.) Hook. f. in Fl. Brit. India 5: 28. 1886; [Pandey & Padhye, 1997].

!**Polygonum longisetum** Bruijn var. **rotundatum** A. J. Li in Bull. Bot. Res.. 1981. Harbin 15(4): 418, f. 6 418 1995; *Polygonum barbatum* var. *gracile* (Danser) Steward in Contr. Gray Herb. 88: 55. 1930; Shah 603. 1978; Raghavan *et al.* 75. 1981; [GEC, 1996];

Polygonum plebeium R. Br. var. **brevifolia** Hook. f. in Fl. Brit. India 5: 23. 1886; Raghavan *et al.* 75. 1981; [Pandey & Padhye, 1997].

Polygonum plebeium R. Br. var. **griffithii** Hook. f. in Fl. Brit. India 5: 23. 1886; [Pandey, 2002].

Polygonum plebeium R. Br. var. **indica** (Heyne ex roth) Hook. f. in Fl. Brit. India 5: 23. 1886; [GEC, 1996].

Polygonum plebeium R. Br. var. **plebeium** Prodr. in Fl. Nov. Holl. 420. 1810; Shah 604, 1978; Raghavan *et al.* 75. 1981; Bole & Pathak, 253. 1988; [GEC, 1996];

Rumex dentatus L. subsp. **dentatus** Mant. in Pl. 2: 226. 1771; Shah 604. 1978; Raghavan *et al.* 75. 1981; [GEC, 1996];

Rumex dentatus L. subsp. **klotzschianus** (Meisn.) Rech. f. in Beib. Bot. Jahr. 49(2): 19. 1932; [Pandey & Padhye, 2005].

Rumex vesicarius L. in Sp. Pl. 336. 1753; Raghavan *et al.* 75. 1981; Bole & Pathak, 253. 1988; [GEC, 1996].

Portulacaceae Juss.

Portulaca grandiflora Hook. in Bot. Mag. 56: t. 2885. 1829; Shah 85. 1978; [GEC, 1996]; *Portulaca pilosa* L. subsp. *grandiflora* (Hook.) R.Geesinkin Blumea 17(2): 297. 1969; Raghavan *et al.* 9. 1981.

Portulaca oleracea L. in Sp. Pl. 1: 445. 1753; Shah 86. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

Portulaca pilosa L. in Sp. Pl. 1: 445. 1753; Raghavan *et al.* 9. 1981.

Portulaca quadrifida L. in Mant. Pl. 1: 73. 1767; Shah 86. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

Portulaca suffruticosa Wight ex Wall. in Numer. List n. 6842. 1832; Shah 86. 1978; [GEC, 1996].

Portulaca tuberosa Roxb. in Fl. Ind. 2. 464. 1832; Shah 87. 1978; [GEC, 1996].

Talinaceae Doweld

Talinum portulacifolium (Forssk.) Asch. ex Schweinf. in Bull. Herb. Boissier 4: 172. 1896; Shah 87. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

Tamaricaceae Link

Tamarix aphylla (L.) H. Karst. in Deut. Fl. 641. 1882; Shah 88. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Tamarix dioica Roxb. in Fl. Ind. 2: 101. 1832; Shah 88. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Tamarix ericoides Rottler & Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 214, pl. 4. 1803; Shah 88. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

!**Tamarix gallica** L. var. **indica** (Willd.) Ehrenb. in Linnaea 2: 268 268 1827; *Tamarix troupii* Holein in Indian Forester 45: 248. 1919; Shah 89. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Tamarix kutchensis B. V. Shetty & R. P. Pandey in Bull. Bot. Surv. India 31(1-4): 152. 1992.

Tamarix passerinoides Delile ex Desv. var. **macrocarpa** Ehrneb. in Linnaea 2: 276. 1827; [Pandey, 2002].

Tamarix stricta Boiss. in Diagn. Pl. Orient. 2: 57. 1856; Shah 89. 1978; Raghavan *et al.* 9. 1981; [GEC, 1996].

Loranthaceae Juss.

Dendrophthoe falcata (L. f.) Ettingsh. var. **coccinea** (Talb.) Santapau in Pl. Saurash. 34. 1953; Raghavan *et al.* 76. 1981; Bole & Pathak, 256. 1988.

Dendrophthoe falcata (L. f.) Ettingsh. var. **falcata** Denkschr. in Kaiserl. Akad. Wiss.. 1988. Wien. Math.-Naturwiss. Kl. 32: 52. 1872; Shah 607. 1978; Raghavan *et al.* 76. 1981; Bole & Pathak, 257. 1988.

Dendrophthoe falcata (L. f.) Ettingsh. var. **pubescens** (Hook. f.) Santapau & Herb. ex Shah in Journ. Bombay. Univ. 30: 37. 1961-62; Shah 607. 1978; [GEC, 1996];

!**Elytranthe parasitica** (L.) Danser in Bull. Jard. Bot. Buitenzorg III, 10: 315. 1929; *Macrosolen parasiticus* (L.) Danser in Blumea 2(2): 36. 1936; Raghavan *et al.* 76. 1981; [GEC, 1996].

Helicanthes elasticus (Desvaux) Danser in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. Sect. 2, 29(6): 55. 1933; Raghavan *et al.* 76. 1981; [GEC, 1996].

Macrosolen capitellatus (Wight & Arn.) Danser in Blumea 2: 36. 1936.

!**Scurrula atropurpurea** (Blume) Danser in Bull. Jard. Bot. Buitenzorg 10: 349. 1929; *Scurrula philippensis* (Cham. & Schltdl.) G. Don in Gen. Hist. 3: 442. 1834; Raghavan *et al.* 77. 1981; [GEC, 1996].

Scurrula parasitica L. in Sp. Pl. 110. 1753; [Gohil *et al.*, 2011].

Tolypanthus lageniferus (Wight) Tiegh. in Bull. Soc. Bot. France 42: 249. 1895.

Olacaceae R. Br.

Olax nana Wall. ex Benth. in Proc. Linn. Soc. Lond. 1: 88. 1840; Shah 151. 1978; Raghavan *et al.* 17. 1981; [GEC, 1996].

Opiliaceae Valeton

Cansjera rheedei J. F. Gmel. in Syst. Nat. 1: 280. 1791; Shah 151. 1978; [GEC, 1996].

Santalaceae R. Br.

Santalum album L. in Sp. Pl. 1: 349. 1753; Shah 608. 1978; Raghavan *et al.* 77. 1981; Bole & Pathak, 258. 1988; [GEC, 1996; Trees of Gujarat, 2008];

Viscum angulatum B. Heyne ex DC. in Prodr. 4: 283. 1830; Raghavan *et al.* 77. 1981; Bole & Pathak, 257. 1988.

Viscum articulatum Burm. f. in Fl. Indica 311. 1768; Shah 607. 1978; Raghavan *et al.* 77. 1981; [GEC, 1996]; 1978; *Viscum nepalense* Spreng. in Syst. Veg. (ed. 16) 4: 47. 1827; Bole & Pathak, 258.

Cornaceae Bercht. ex J. Presl

Alangium salviifolium (L. f.) Wanger in Pflanzenr. IV, 220b: 9. 1910; Shah 347. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Balsaminaceae A. Rich.

Impatiens balsamina L. var. **balsamina** in Sp. Pl. 2: 938. 1753; Raghavan *et al.* 16. 1981.

Impatiens balsamina L. var. **coccinea** (Wall.) Hook. f. in Fl. Pak. 133: 31980; Shah 142. 1978; Raghavan *et al.* 16. 1981; [GEC, 1996].

Impatiens rosea Lindl. in Edwards's Bot. Reg. 27(Misc.): 6. 1841; *Impatiens balsamina* L. var. *rosea* (Lindl.) Hook. f. in Fl. Brit. India 1: 454. 1874; Shah 142. 1978; Raghavan *et al.* 16. 1981; [GEC, 1996].

!Impatiens minor (DC.) Bennet in Indian J. Forest. 2: 283. 1979; *Impatiens kleinii* Wight & Arn. in Prodr. fl. Ind. orient. 140. 1839; Shah 142. 1978; Raghavan *et al.* 16. 1981; [GEC, 1996].

Ebenaceae Gurke

Diospyros chloroxylon Roxb. in Pl. Coromandel 1: 38. 1795; Shah 409. 1978; Raghavan *et al.* 49. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Diospyros malabarica (Desr.) Kostel. in Allg. Med.-Pharm. Fl. 3: 1099. 1834; [Trees of Gujarat, 2008].

Diospyros melanoxylon Roxb. in Pl. Coromandel 1: 36. 1795; Shah 409. 1978; Raghavan *et al.* 49. 1981; Bole & Pathak, 49. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Diospyros montana Roxb. in Pl. Coromandel 1: 37. 1795; Shah 410. 1978; Raghavan *et al.* 49. 1981; [GEC, 1996]; *Diospyros cordifolia* Roxb. in Pl. Coromandel 1: 38. 1795; Shah 409. 1978; Raghavan *et al.* 49. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Lecythidaceae A. Rich.

Barringtonia acutangula (L.) Gaertn. in Fruct. Sem. Pl. 2: 97. 1791; [GEC, 1996; Trees of Gujarat, 2008, Patel *et al.*, 1985].

Barringtonia asiatica (L.) Kurz in Prelim. Rep. Forest Pegu App. A: lxv 1875; [Trees of Gujarat, 2008].

Careya arborea Roxb. in Pl. Coromandel 3: 14. 1819; Shah 304. 1978; Raghavan *et al.* 35. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Couroupita guianensis Aubl. in Hist. Pl. Guiane 2: 708. 1775; Raghavan *et al.* 35. 1981; [GEC, 1996; Trees of Gujarat, 2008, Pandey, 2002].

Primulaceae Batsch ex Borkh.

Aegiceras corniculatum (L.) Blanco in Fl. Filip. 79. 1837; Shah 405. 1978; Raghavan *et al.* 48. 1981; Bole & Pathak, 46. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Anagallis arvensis L. var. **caerulea** (L.) Gouan in Fl. Monsp. 30. 1765; Shah 405. 1978; Raghavan *et al.* 48. 1981; Bole & Pathak, 45. 1988; [GEC, 1996].

Anagallis pumila Sw. in Prodr. Veg. Ind. Occ. 40. 1788; Shah 405. 1978; Raghavan *et al.* 48. 1981; [GEC, 1996].

Embelia ribes Burm. f. in Fl. Indica 62. 1768; Raghavan *et al.* 48. 1981; [GEC, 1996].

Embelia tsjeriam-cottam (Roem. & Schult.) A. DC. in Trans. Linn. Soc. London 17: 131. 1834; Shah 406. 1978; Raghavan *et al.* 48. 1981; [GEC, 1996].

Jacquinia ruscifolia Jacq. in Enum. Syst. Pl. 15. 1760; [Trees of Gujarat, 2008].

Sapotaceae Juss.

Chrysophyllum cainito L. in Sp. Pl. 192. 1753; Raghavan *et al.* 48. 1981; [GEC, 1996].

Chrysophyllum oliviforme L. in Syst. Nat. ed. 10 2: 937. 1759; [Trees of Gujarat, 2008].

Madhuca longifolia (J. König ex L.) J. F. Macbr. var. **latifolia** (Roxb.) A. Chev. in Rep. Bot. Appl. 23: 149. 1943; Raghavan *et al.* 48. 1981; [Trees of Gujarat, 2008]; *Madhuca indica* J. f.Gmel. in Syst. Nat. 799. 1791; Shah 407. 1978; Bole & Pathak, 47. 1988; [GEC, 1996].

Madhuca longifolia (J. König ex L.) J. F. Macbr. Var. **longifolia** Contr. in Gray Herb. n.s., 53: 17. 1918; Raghavan *et al.* 48. 1981; [Trees of Gujarat, 2008].

Manilkara hexandra (Roxb.) Dubard in Ann. Inst. Bot.-Géol. Colon. Marseille III, 3: 9. 1915; Shah 407. 1978; Raghavan *et al.* 48. 1981; Bole & Pathak, 48. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Manilkara zapota (L.) P. Royen in Blumea 7: 410. 1953; Shah 408. 1978; Bole & Pathak, 48. 1988; [GEC, 1996; Trees of Gujarat, 2008]; *Manilkara achras* (Mill.) Fosberg in Taxon 13: 255. 1964; Raghavan *et al.* 49. 1981.

Mimusops elengi L. in Sp. Pl. 349. 1753; Shah 408. 1978; Raghavan *et al.* 49. 1981; Bole & Pathak, 49. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Styracaceae DC. & Spreng.

Styrax benzoin Dryand. in Philos. Trans. 77(2): 308. 1787; [Trees of Gujarat, 2008].

Boraginaceae Juss.

Arnebia hispidissima (Lehm.) A. DC. in Prodr. 10: 94. 1846; Shah 449. 1978; Raghavan *et al.* 54. 1981; [GEC, 1996].

Coldenia procumbens L. in Sp. Pl. 125. 1753; Shah 449. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 88. 1988; [GEC, 1996].

Cordia crenata Delile in Descr. Egypte, Hist. Nat. 195. 1813; Raghavan *et al.* 53. 1981; [GEC, 1996].

Cordia dichotoma G. Forst. in Fl. Ins. Austr. 18. 1786; Shah 444. 1978; Raghavan *et al.* 53. 1981; Bole & Pathak, 84. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Cordia domestica Roth in Nov. PL. in Sp. 123. 1821; Shah 445. 1978; Raghavan *et al.* 53. 1981; Bole & Pathak, 84. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Cordia macleodii Hook. f. & Thomson in J. Proc. Linn. Soc., Bot. 2: 128. 1858; Shah 445. 1978; Raghavan *et al.* 54. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Cordia monoica Roxb. in Pl. Coromandel 1: 43. 1796; Shah 446. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 85. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Cordia perrottetii Wight in Icon. Pl. Ind. Orient. 4: t. 1381. 1848; Shah 446. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 86. 1988; [GEC, 1996].

Cordia sebestena L. in Sp. Pl. 190. 1753; Raghavan *et al.* 54. 1981; Bole & Pathak, 86. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Cordia sinensis Lam. in Tabl. Encycl. 1: 423. 1792; *Cordia gharaf* (Forssk.) Ehrenb. ex Asch. in Sitzungsber. Ges. Naturf. Freunde Berlin 46. 1879; Shah 445. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 85. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Cordia wallichii G. Don in Gen. Hist. 4: 379 1837; Shah 446. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 86. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Cynoglossum meeboldii Brand in Repert. Spec. Nov. Regni Veg. 14: 323. 1916; Shah 449. 1978; [GEC, 1996].

!**Cynoglossum zeylanicum** (Lehm.) Brand in Pflanzenr. IV, 252: 134 1921; ** *Cynoglossum zeylanicum* Thunb. ex Lehm. in Pl. Asperif. Nucif. 116. 1818; Raghavan *et al.* 54. 1981.

!**Echiochilon persicum** (Burm.f.) I.M.Johnst. in J. Arnold Arbor. 38: 288. 1957; *Sericostoma pauciflorum* Stocks in Icon. Pl. Ind. Orient. 4: 15. 1848; Shah 448. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 92. 1988; [GEC, 1996].

Ehretia aspera Roxb. in Pl. Cor. 1: 41. t. 55. 1795; Shah 447. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 87. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Ehretia laevis Roxb. in Pl. Coromandel 1: 42. 1796; Shah 447. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 88. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Heliotropium bacciferum Forssk. var. **bacciferum** in Fl. Aegypt.-Arab. 38. 1775; Shah 451. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 89. 1988; [GEC, 1996].

Heliotropium bacciferum Forssk. var. **suberosum** (Clarke) Bhandari in Fl. Ind. Desert 234. 1978; [GEC, 1996].

Heliotropium calcareum Stocks in Hooker's J. Bot. Kew Gard. Misc. 4: 174. 1852; Shah 452. 1978; Raghavan *et al.* 54. 1981; [GEC, 1996].

Heliotropium curassavicum L. in Sp. Pl. 130. 1753; Raghavan *et al.* 54. 1981; [GEC, 1996].

Heliotropium ellipticum Ledeb. in Pl. Nov. 10. 1831; Shah 452. 1978; Raghavan *et al.* 54. 1981; [GEC, 1996].

Heliotropium indicum L. in Sp. Pl. 139. 1753; Shah 452. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 89. 1988; [GEC, 1996].

Heliotropium marifolium J. König ex Retz. var. **laxiflora** T. Cooke. in Fl. Pres. Bombay 2: 213. 1904; Raghavan *et al.* 54. 1981.

Heliotropium marifolium J. König ex Retz. var. **marifolium** in Observ. Bot. 2: 8. 1781; Shah 453. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 90. 1988; [GEC, 1996].

Heliotropium marifolium J. König ex Retz. var. **wallichi** Clarke in Fl. Brit. India 4: 152. 1883; [Pandey, 2001].

Heliotropium ophioglossum Stocks ex Aitch. in Cat. Pl. Punjab Sindh 94. 1869; Raghavan *et al.* 54. 1981; [GEC, 1996].

Heliotropium ovalifolium Forssk. in Fl. Aegypt.-Arab. 38. 1775; Shah 453. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 90. 1988; [GEC, 1996].

Heliotropium paniculatum R. Br. in Prodr. 494. 1810; Shah 453. 1978; Raghavan *et al.* 54. 1981; Bole & Pathak, 91. 1988; [GEC, 1996].

Heliotropium rariflorum Stocks in Hooker's J. Bot. Kew Gard. Misc. 4: 174. 1852; Shah 454. 1978; Raghavan *et al.* 55. 1981; [GEC, 1996].

Heliotropium strigosum Willd. subsp. **brevifolium** (Wall.) Kazmi in J. Arnold Arbor. 51: 152. 1970; [Pandey, 2002].

Heliotropium strigosum Willd. subsp. **Strigosum** in Sp. Pl. 1: 743. 1798; Shah 454. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 91. 1988; [GEC, 1996].

Heliotropium subulatum (Hochst. ex DC.) Vatke in Linnaea 43(5-6): 316. 1882; Shah 454. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 92. 1988; [GEC, 1996].

Heliotropium supinum L. in Sp. Pl. 130. 1753; Shah 454. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 92. 1988; [GEC, 1996].

Heliotropium zeylanicum (Burm. f.) Lam. in Encycl. 3: 94. 1789; Raghavan *et al.* 55. 1981; [GEC, 1996].

Rotula aquatica Lour. in Fl. Cochinch. 1: 121. 1790; Shah 447. 1978; Raghavan *et al.* 55. 1981; [GEC, 1996].

!**Trichodesma africanum** (L.) Sm. in Cycl. 36: no. 2 1817; ** *Trichodesma africanum* R.Br. in Prodr. Fl. Nov. Holland. 496. 1810; Shah 455. 1978; [GEC, 1996].

!**Trichodesma indicum** (L.) Lehm. var. **amplexicaule** (Roth) T. Cooke in Fl. Bombay 2: 281 281 1967; *Trichodesma amplexicaul*e Roth in Nov. Sp. Pl. 104. 1821; Shah 456. 1978; [GEC, 1996].

!**Trichodesma indicum** (L.) Lehm. var. **indicum** in Pl. Asperif. Nucif. 193 193 1818; ** *Trichodesma indicum* R.Br. in Prodr. Fl. Nov. Holland. 496. 1810; Shah 456. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 94. 1988; [GEC, 1996].

Trichodesma sedgwickianum Banerjee in Bull. Bot. Soc. Beng. 16 (1-2): 10. 1962; Shah 456. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 94. 1988; [GEC, 1996].

Trichodesma zeylanicum (Burm. f.) R. Br. in Prodr. Fl. Nov. Holl. 496. 1810; Shah 457. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 94. 1988; [GEC, 1996].

Vahliaceae Dandy

Vahlia digyna (Retz.) Kuntze in Revis. Gen. Pl. 1: 227. 1891; Shah 294. 1978; [GEC, 1996]; *Bistella digyna* (Retz.) Bullock in Acta Bot. Neerl. 15: 85. 1966; Raghavan *et al.* 33. 1981.

Icacinaceae Miers

Nothapodytes nimmoniana (J. Graham) Mabb. in Bot. Hist. Hort. Malab. 88. 1980; [Trees of Gujarat, 2008].

Apocynaceae Juss.

Allamanda blanchetii A. DC. in Prodr. 8: 319. 1844; [Patel, 2013].

Allamanda cathartica L. in Mant. Pl. 2: 214. 1771; [GEC, 1996]; *Allamanda cathartica* var. *hendersonii* (W.Bull ex Dombr.) L.H.Bailey & Raffill in Cycl. Amer. Hort. 1: 247. 1914; Shah 415. 1978; [GEC, 1996].

!**Allamanda nobilis** T. Moore in Gard. Chron. 180 1868; *Allamanda cathartica* var. *nobilis* (T.Moore) L.H.Bailey & Raffill in Stand. Cycl. Hort. 1: 247. 1914; Raghavan *et al.* 49. 1981.

Alstonia macrophylla Wall. ex G. Don in Gen. Hist. 4: 78. 1837; [Trees of Gujarat, 2008].

Alstonia scholaris (L.) R. Br. in Mem. Wern. Nat. Hist. Soc. 1: 76. 1810; Raghavan *et al.* 49. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Asclepias curassavica L. in Sp. Pl. 215. 1753; Shah 422. 1978; [GEC, 1996].

Beaumontia grandiflora (Roxb.) Wall. in Tent. Fl. Napal. 15, t. 7. 1824; Bole & Pathak, 56. 1988; [GEC, 1996].

!**Blyttia spiralis** (Forssk.) D. V. Field & J. R. I. Wood in Kew Bull. 38: 219 1983; *Pentatropis spiralis* (Forssk.) Decne. in Ann. Sci. Nat., Bot., sér. 2, 2(9): 327-328. 1838; Shah 429. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 71. 1988; [GEC, 1996].

Brachystelma laevigatum Hook. f. in Fl. Brit. India 4: 65. 1883; Raghavan *et al.* 50. 1981; [GEC, 1996].

!**Calotropis gigantea** (L.) Dryand. in Hortus Kew. 2: 78 1811; ** *Calotropis gigantea* (L.) W.T.Aiton in Hort. Kew. (ed. 2): 78. 1811; Shah 423. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 64. 1988; [GEC, 1996].

!**Calotropis procera** (Aiton) Dryand. in Hortus Kew. 2: 78 1811; ** *Calotropis procera* (Aiton) R. Br. in Hort. Kew. (ed. 2): 78. 1811; Shah 423. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 65. 1988; [GEC, 1996].

Carissa macrocarpa (Eckl.) A. DC. in Prodr. 8: 336. 1844; [Patel, 2013].

Carissa spinarum L. in Mant. Pl. 2: 559. 1771; Raghavan *et al.* 50. 1981; Bole & Pathak, 57. 1988; [GEC, 1996]; *Carissa congesta* Wight in Icon. Pl. Ind. Orient. 4: t. 1289. 1848; Shah 415. 1978; Raghavan *et al.* 50. 1981; Bole & Pathak, 56. 1988; [GEC, 1996].

Cascabela thevetia (L.) Lippold in Feddes Repert. 91: 52 1980; *Thevetia peruviana* (Pers.) Merr. in Philipp. J. Sci. 9(2): 130. 1914; Shah 419. 1978; Raghavan *et al.* 50. 1981; Bole & Pathak, 61. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Catharanthus pusillus (Murray) G. Don in Gen. Hist. 4: 95. 1837; Shah 416. 1978; Raghavan *et al.* 50. 1981; Bole & Pathak, 57. 1988; [GEC, 1996].

Catharanthus roseus (L.) G. Don in Gen. Hist. 4: 95. 1837; Shah 416. 1978; Raghavan *et al.* 50. 1981; Bole & Pathak, 58. 1988; [GEC, 1996].

Ceropegia bulbosa Roxb. in Pl. Coromandel 1: 11. 1795; Shah 423. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 66. 1988; [GEC, 1996]; *Ceropegia bulbosa* var. *lushii* (R.A.Graham) Hook. f. in Fl. Brit. India 4: 67. 1883; [Pandey & Padhye, 1997].

Ceropegia candelabrum L. in Sp. Pl. 211. 1753; Shah 424. 1978; Raghavan *et al.* 51. 1981; [GEC, 1996].

Ceropegia odorata Nimmo ex Hook. f. in Fl. Brit. India 4(10): 75. 1883; Shah 424. 1978; Raghavan *et al.* 51. 1981; [GEC, 1996].

!**Cosmostigma cordatum** (Poir.) M. R. Almeida in Fl. Maharashtra 3A: 239. 2001; *Cosmostigma racemosum* Wight in Contr. Bot. India 42. 1834; Shah 424. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 66. 1988; [GEC, 1996].

!**Cryptolepis dubia** (Burm. f.) M. R. Almeida in Fl. Maharashtra 3A: 221 2001; *Cryptolepis buchananii* Roem. & Schult. in Syst. Veg. 4: 409. 1819; Shah 433. 1978; Raghavan *et al.* 52. 1981; [GEC, 1996].

Cryptostegia grandiflora Roxb. ex R. Br. in Bot. Reg. 5: t. 435. 1819; Shah 433. 1978; Raghavan *et al.* 52. 1981; Bole & Pathak, 76. 1988; [GEC, 1996].

Cryptostegia madagascariensis Bojer ex Decne. in Prodr. 8: 492. 1844; Raghavan *et al.* 52. 1981; [GEC, 1996].

Cynanchum callialatum Buch. -Ham. ex Wight in Contr. Bot. India 56. 1834; Shah 425, Raghavan *et al.* 51. 1981; Bole & Pathak, 67. 1988; [GEC, 1996]; 1978.

!**Daemia tomentosa** (L.) Vatke in Oesterr. Bot. Z. 26: 146. 1876; *Pergularia tomentosa* L. in Mant. Pl. 1: 53. 1771.

Dregea volubilis (L. f.) Benth. ex Hook. f. in Fl. Brit. India 4: 46. 1883; Shah 425. 1978; [GEC, 1996]; *Wattakaka volubilis* (L. f.) Stapf in Bot. Mag. 148:sub pl. 8976. 1923; Raghavan *et al.* 52. 1981; Bole & Pathak, 75. 1988; [GEC, 1996].

Glossonema varians (Stocks) Benth. ex Hook. f. in Fl. Brit. India 4: 16. 1883; Raghavan *et al.* 51. 1981; [GEC, 1996]; *Odontanthera varians* (Stocks) Mabb. in Taxon 28: 606. 1980; [Pandey *et al.*, 2012].

!**Gonostemon grandiflorus** (Masson) P. V. Heath in Calyx 1: 17 1992; *Stapelia grandiflora* Masson in Stapel. Nov. 13, t. 11. 1797.

Hemidesmus indicus (L.) R. Br. ex Schult. Var. **indicus** in Syst. Veg. 6: 126. 1820; Shah 433. 1978; Raghavan *et al.* 52. 1981; Bole & Pathak, 77. 1988; [GEC, 1996].

Hemidesmus indicus (L.) R. Br. ex Schult. var. **pubescens** (Wight & Arn.) Hook. f. in Fl. Brit. India 4: 5. 1883; [Patel, 2013].

!**Holostemma ada-kodien** Schult. in Syst. Veg. 6: 95 1820; *Holostemma annulare* (Roxb.) K. Schum. in Nat. Pflanzenfam. 4(2): 250. 1895; Shah 426. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 68. 1988; [GEC, 1996].

!Holarrhena pubescens Wall. ex G.Don in Gen. Hist. 4: 78. 1837; *Holarrhena antidysenterica* (L.) Wall. Ex G. Don in Gen. Syst. 4: 78. 1837; Shah 417. 1978; Bole & Pathak, 59. 1988; [GEC, 1996; Trees of Gujarat, 2008]; ***Holarrhena antidysenterica* Wall. ex A.DC. in Prodr. 8: 413. 1844; Raghavan *et al.* 50

Leptadenia pyrotechnica (Forssk.) Decne. in Ann. Sci. Nat., Bot., sér. 2, 9: 269. 1838; Shah 426. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 69. 1988; [GEC, 1996].

Leptadenia reticulata (Retz.) Wight & Arn. in Contr. Bot. India 47. 1834; Shah 427. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 69. 1988; [GEC, 1996].

!**Marsdenia sylvestris** (Retz.) P. I. Forst. in Austral. Syst. Bot. 8: 694 1995; *Gymnema sylvestre* (Retz.) Schult. in Syst. Veg. 6: 57. 1820; Shah 425. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 67. 1988; [GEC, 1996].

Marsdenia tenacissima (Roxb.) Moon in Cat. Pl. Ceylon. 21. 1824; Shah 427. 1978; Raghavan *et al.* 51. 1981; [GEC, 1996].

!**Nerium oleander** L. in Sp. Pl. 209 1753; *Nerium indicum* Mill. in Gard. Dict. ed. 8. 2. 1768; Shah 417. 1978; Raghavan *et al.* 50. 1981; Bole & Pathak, 60. 1988; [GEC, 1996].

!**Oxystelma esculentum** (L. f.) Sm. in Cycl. 25: 1813; *Sarcostemma esculentum* (L. f.) R.W. Holm in Ann. Missouri Bot. Gard. 37: 482. 1950; Raghavan *et al.* 51. 1981.

Oxystelma secamone H. Karst. in Deut. Fl. 1031. 1883; Shah 428. 1978; Bole & Pathak, 70. 1981; [GEC, 1996].

Pentatropis capensis (L. f.) Bullock in Kew Bull. 10: 284. 1955; Shah 428. 1978; Bole & Pathak, 70. 1988; [GEC, 1996].

Pergularia daemia (Forssk.) Chiov. in Result. Sci. Miss. Stefan.-Paoli Somal. Ital. 1: 115. 1916; Shah 429. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 72. 1988; [GEC, 1996].

Periploca aphylla Decne. in Voy. Inde 4: 109. 1843; Shah 434. 1978; Raghavan *et al.* 52. 1981; [GEC, 1996].

Plumeria obtusa L. in Sp. Pl. 210. 1753; [Trees of Gujarat, 2008].

Plumeria rubra L. in Sp. Pl. 209. 1753; Shah 418. 1978; Raghavan *et al.* 50. 1981; Bole & Pathak, 60. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Rauvolfia serpentina (L.) Benth. ex Kurz in Forest Fl. Burma 2: 171. 1877; Raghavan *et al.* 50. 1981; [GEC, 1996].

Rauvolfia tetraphylla L. in Sp. Pl. 208. 1753; Shah 418. 1978; Raghavan *et al.* 50. 1981; [GEC, 1996].

Sarcostemma acidum (Roxb.) Voigt in Hort. Suburb. Calcutt. 542. 1845; Shah 429. 1978; Raghavan *et al.* 51. 1981; Bole & Pathak, 72. 1988; [GEC, 1996].

Sarcostemma intermedium Decne. in Prodr. 8: 538. 1844; Raghavan *et al.* 52. 1981; [GEC, 1996].

!**Sarcostemma viminale** subsp. **stocksii** (Hook. f.) Ali in Fl. Pakistan 150: 31 31 1983; *Sarcostemma stocksii* Hook. f. in Fl. Brit. India 4(10): 27. 1883; Raghavan *et al.* 52. 1981; [GEC, 1996].

Secamone emetica (Retz.) R. Br. ex Schult. in Syst. Veg. 6: 124. 1820; Raghavan *et al.* 52. 1981; [GEC, 1996].

Tabernaemontana alternifolia L. in Sp. Pl. 211. 1753; *Ervatamia heyneana* (Wall.) T.Cooke in Fl. Bombay 2: 134. 1904; Raghavan *et al.* 50. 1981; [GEC, 1996].

Tabernaemontana divaricata (L.) R. Br. ex Roem. & Schult. in Syst. Veg. 4: 427. 1819; Bole & Pathak, 61. 1988; *Ervatamia divaricata* (L.) Burkill in Rec. Bot. Surv. India 10: 320. 1925; Shah 417. 1978; Raghavan *et al.* 50. 1981; [GEC, 1996].

Telosma pallida (Roxb.) Craib in Bull. Misc. Inform. Kew 1911(10): 418. 1911; Shah 430. 1978; Raghavan *et al.* 52. 1981; Bole & Pathak, 73. 1988; [GEC, 1996].

Tylophora dalzellii Hook. f. in Fl. Brit. India 4: 43. 1883; Shah 431. 1978; Raghavan *et al.* 52. 1981; Bole & Pathak, 74. 1988; [GEC, 1996].

Pergularia exilis (Colebr.) Spreng. in Syst. Veg. 1: 844. 1824; *Tylophora exilis* Colebr. in Trans. Linn. Soc. London 12: t. 16. 358. 1818; [Patel, 2013].

Tylophora fasciculata Buch. -Ham. ex Wight in Contr. Bot. India 50. 1834; Shah 431. 1978; Raghavan *et al.* 52. 1981; [GEC, 1996].

Tylophora indica (Burm. f.) Merr. in Philipp. J. Sci. 19: 373. 1921; Shah 431. 1978; Raghavan *et al.* 52. 1981; Bole & Pathak, 73. 1988; [GEC, 1996].

Tylophora rotundifolia Buch. -Ham. ex Wight in Contr. Bot. India 50. 1834; Shah 432. 1978; [GEC, 1996].

Vallaris solanacea (Roth) Kuntze in Revis. Gen. Pl. 2: 417. 1891; Shah 419. 1978; Raghavan *et al.* 50. 1981; [GEC, 1996].

Wrightia arborea (Dennst.) Mabb. in Taxon 26: 533. 1977; [Trees of Gujarat, 2008]; **Wrightia tomentosa** Roem. & Schult. in Syst. Veg. 4: 414. 1819; Shah 420. 1978; Raghavan *et al.* 50. 1981; Bole & Pathak, 63. 1988; [GEC, 1996].

Wrightia dolichocarpa Bahadur & Bennet in Indian Forester 104: 32. 1978; Raghavan *et al.* 50. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Wrightia tinctoria R. Br. in Asclepiadeae 59. 1810; Shah 420. 1978; Raghavan *et al.* 50, Bole & Pathak, 62. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Gentianaceae Juss.

!**Canscora alata** (Roth ex Roem. & Schult.) Wall. in Numer. List 4363. 1831; *Canscora decussata* (Roxb.) Schult. & Schult. f. in Mant. 3: 229. 1827; [GEC, 1996].

Canscora concanensis C. B. Clarke Fl. Brit. India 4: 104. 1883; Shah 436. 1978; Raghavan *et al.* 52. 1981; [GEC, 1996].

Canscora diffusa (Vahl) R. Br. ex Roem. & Schult. in Syst. Veg. 3: 301. 1818; Shah 437. 1978; Raghavan *et al.* 52. 1981; Bole & Pathak, 79. 1988; [GEC, 1996]; *Canscora*

decurrens Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 136. 1850; Shah 437. 1978; Raghavan *et al.* 52. 1981; [GEC, 1996]; Canscora *khandalensis* Santapau in Kew Bull. 3: 485. 1948. publ. 1949; Shah 437. 1978; Raghavan *et al.* 53. 1981; Bole & Pathak, 79. 1988; [GEC, 1996].

Canscora heteroclita (L.) Gilg in Nat. Pflanzenfam. 4(2): 76. 1895.

Canscora perfoliata Lam. in Encycl. 1: 601. 1785; Shah 438. 1978; Raghavan *et al.* 53. 1981; Bole & Pathak, 80. 1988; [GEC, 1996].

Centaurium centaurioides (Roxb.) S. R. Rao & Hemadri in J. Bombay Nat. Hist. Soc. 67: 357. 1970; Shah 438. 1978; Raghavan *et al.* 53. 1981; [GEC, 1996]; *Centaurium roxburghii* (D.Don) Druce in Rep. Bot. Soc. Exch. Club Brit. Isles 614. 1917; Bole & Pathak, 80. 1988.

!**Enicostema axillare** (Lam.) A. Raynal in Adansonia n.s.. 1988. 9: 75. 1969; *Enicostema hyssopifolium* (Willd.) Verd. in Bothalia 7: 462. 1961; Shah 439. 1978; Raghavan *et al.* 53. 1981; Bole & Pathak, 81. 1988; [GEC, 1996].

Exacum lawii C. B. Clarke in Fl. Brit. India 4: 98. 1883.

Exacum pedunculatum L. in Sp. Pl. 112. 1753; Shah 440. 1978; Raghavan *et al.* 53. 1981; [GEC, 1996]; *Exacum carinatum* Roxb. in Fl. Ind. 1: 415. 1820; Raghavan *et al.* 53. 1981; [GEC, 1996].

Exacum petiolare Griseb. in Prodr. 9: 46. 1845; Shah 440. 1978; Bole & Pathak, 82. 1988; [GEC, 1996].

Exacum pumilum Griseb. in Prodr. 9: 46. 1845; Shah 440. 1978; Raghavan *et al.* 53. 1981; Bole & Pathak, 82. 1988; [GEC, 1996].

Exacum tetragonum Roxb. in Fl. Ind. 1: 413. 1820; *Exacum bicolor* Roxb. in Fl. Ind. 1: 413. 1820; Shah 439. 1978; Raghavan *et al.* 53. 1981; [GEC, 1996].

Hoppea dichotoma Willd. in Neue Schriften Ges. Naturf. Freunde Berlin 3: 435. 1801; Shah 441. 1978; Raghavan *et al.* 53. 1981; Bole & Pathak, 82. 1988; [GEC, 1996].

Swertia minor (Griseb) Knobl. in Abh. Königl. Akad. Wiss. Berlin 1891: 338. 1892; Shah 442. 1978; Raghavan *et al.* 53. 1981; [GEC, 1996].

loganiaceae R. Br. ex Mart.

Mitreola petiolata (J. F. Gmel.) Torr. & A. Gray in Fl. N. Amer. 2: 45. 1841; [Pandey, 2002]; *Cynoctonum mitreola* (L.) Britton in Mem. Torrey Bot. Club 5: 258. 1894; Shah 435. 1978; Raghavan *et al.* 52. 1981; Bole & Pathak, 78. 1988; [GEC, 1996].

Strychnos nux-vomica L. in Sp. Pl. 1: 189. 1753; [Trees of Gujarat, 2008].

Strychnos potatorum L. f. in Suppl. Pl. 148. 1782; Shah 435. 1978; Raghavan *et al.* 52. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Rubiaceae Juss.

Canthium coromandelicum (Burm.f.) Alston in Handb. Fl. Ceylon 6(Suppl.): 152. 1931; *Canthium parviflorum* Lam. in Encycl. 1: 602. 1785; Shah 350. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996].

!**Catunaregam spinosa** (Thunb.) Tirveng. in Bull. Mus. Natl. Hist. Nat., Sér. 3, Bot. 35: 13. 1978; *Xeromphis spinosa* (Thunb.) Keay in Bull. Jard. Bot. État 28: 37. 1958; Shah 361. 1978; [GEC, 1996]; *Gardenia turgida* var. *montana* (Roxb.) Hook. f. in Fl. Brit. India 3: 108. 1880; Shah 352. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996; Trees of Gujarat,

2008]; *Gardenia turgida* Roxb. in Fl. Ind. 2: 557. 1824; Shah 352. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Dentella repens (L.) J. R. Forst. & G. Forst. in Char. Gen. Pl. 13. 1775; Shah 350. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996].

Gardenia resinifera Roth in Nov. PL. in Sp. 150. 1821; Shah 351. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Haldina cordifolia** (Roxb.) Ridsdale in Blumea 24: 361 1978; *Adina cordifolia* (Roxb.) Hook. f. in Gen. Pl. 2: 30. 1873; Shah 349. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Hamelia patens Jacq. in Enum. Syst. Pl. 16. 1760; Raghavan *et al.* 41. 1981; [GEC, 1996].

Haplophyllum tuberculatum (Forssk.) Juss. in Mém. Mus. Hist. Nat. 12: 528. 1825; [Pandey, 2002].

Hydrophylax maritima L. f. in Suppl. Pl. 126. 1782; Shah 352. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996].

Hymenodictyon orixense (Roxb.) Mabb. in Taxon 31: 66. 1982; [Trees of Gujarat, 2008]; *Hymenodictyon excelsum* (Roxb.) Wall. in Fl. Ind. 2: 149. 1824; Shah 352. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996].

Ixora brachiata Roxb. in Fl. Ind. 1: 381. 1820; Shah 354. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Ixora coccinea L. in Sp. Pl. 110. 1753; Shah 354. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996].

Ixora pavetta Andr. in Bot. Repos. 2: t. 78. 1799; [Trees of Gujarat, 2008]; *Ixora arborea* Roxb. ex Sm. in Cycl. 19: 5. 1811; Shah 353. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996].

Kohautia aspera (B. Heyne ex Roth) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2 48(2): 113. 1952; Shah 354. 1978; [GEC, 1996]; *Oldenlandia aspera* (B.Heyne ex Roth) DC. in Prodr. 4: 428. 1830; Raghavan *et al.* 42. 1981; [GEC, 1996].

!**Kohautia nagporensis** (Brace ex Haines) Santapau & Merchant in Bull. Bot. Surv. India 3: 108 1962; *Oldenlandia nagporensis* Brace ex Haines in Bot. Bihar Orissa 4: 448. 1922; Raghavan *et al.* 42. 1981; [GEC, 1996].

Meyna laxiflora Robyns in Bull. Jard. Bot. État 11: 228. 1928; Shah 355. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Mitragyna parvifolia (Roxb.) Korth. in Observ. Naucl. Indic. 19. 1839; Shah 355. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Morinda citrifolia L. in Sp. Pl. 176. 1753; Raghavan *et al.* 41. 1981; [GEC, 1996; Trees of Gujarat, 2008]; *Morinda tomentosa* B.Heyne ex Roth in Nov. PL. in Sp. 147. 1821; Shah 355. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996].

Morinda pubescens Sm. in Cycl. 24: 3. 1813; [Trees of Gujarat, 2008].

Mussaenda glabrata (Hook. f.) Hutch. ex Gamble in Fl. Madras 610. 1921; Raghavan *et al.* 41. 1981; [GEC, 1996].

Neanotis lancifolia (Hook. f.) W. H. Lewis in Ann. Missouri Bot. Gard. 53: 39. 1966; [GEC, 1996].

Neanotis rheedei (Wight & Arn.) W. H. Lewis in Ann. Missouri Bot. Gard. 53: 40. 1966; Shah 356. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

Neanotis foetida (Dalzell) W.H.Lewis in Ann. Missouri Bot. Gard. 53: 38. 1966; Shah 356. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

!**Neolamarckia cadamba** (Roxb.) Bosser in Bull. Mus. Natl. Hist. Nat., B, Adansonia 6: 247. 1984; *Anthocephalus indicus* A.Rich. in Mém. Rubiac. 158. 1830; [GEC, 1996].

!**Neonauclea purpurea** (Roxb.) Merr. in Interpr. Herb. Amboin. 483. 1917; *Anthocephalus chinensis* (Lam.) Walp. in Repert. Bot. Syst. 2: 491. 1843; Raghavan *et al.* 41. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Oldenlandia affinis (Roem. & Schult.) DC. in Prodr. 4: 428. 1830; Shah 357. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

Oldenlandia auricularia (L.) K. Schum. in Nat. Pflanzenfam. 4(4): 25. 1891; Raghavan *et al.* 42. 1981; [GEC, 1996].

Oldenlandia corymbosa L. in Sp. Pl. 119. 1753; Shah 358. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

Oldenlandia herbacea (L.) Roxb. in Hort. Bengal. 11. 1814; Shah 358. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

Oldenlandia ovatifolia (Cav.) DC. in Prodr. 4: 427. 1830; *Thecagonum ovatifolium* (Cav.) Babu in Bull. Bot. Surv. India 11: 214. 1969. publ. 1971; Shah 360. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

Oldenlandia pumila (L. f.) DC. in Prodr. 4: 425. 1830; Shah 358. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

Oldenlandia umbellata L. in Sp. Pl. 119. 1753; Shah 359. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

Pavetta crassicaulis Bremek. in Repert. Spec. Nov. Regni Veg. 37: 112. 1934; Shah 359. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

Pentas lanceolata (Forssk.) Deflers in Voy. Méroé 4: 65. 1827; *Mussaenda luteola* Delile in Voy. Méroé 4: 65. 1827.

Rondeletia odorata Jacq. in Enum. Pl. Carib. 16. 1760; Raghavan *et al.* 42. 1981; [GEC, 1996].

!**Spermacoce articularis** L. f. in Suppl. Pl. 119. 1782; *Borreria articularis* (L. f.). N.Williams in Bull. Herb. Boissier II, 5: 956. 1905; Shah 349. 1978; Raghavan *et al.* 41. 1981; [GEC, 1996].

!**Spermacoce pusilla** Wall. in Fl. Ind. 1: 379 1820. Borreria stricta (L. f.) K.Schum. in Nat. Pflanzenfam. 4(4): 143. 1891; Shah 350. 1978; [GEC, 1996]; *Borreria pusilla* (Wall.) DC. in Prodr. 4: 543. 1830; Raghavan *et al.* 41. 1981.

Spermadictyon suaveolens Roxb. in Pl. Coromandel 3: 32. 1815; Shah 359. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996].

Tamilnadia uliginosa (Retz.) Tirveng. & Sastre in Mauritius Inst. Bull. 8(4): 85. 1979; [Trees of Gujarat, 2008]; *Xeromphis uliginosa* (Retz.) Maheshw. in Bull. Bot. Soc. Univ. Saugar 10: 39. 1958. publ. 1961; Shah 361. 1978; Raghavan *et al.* 43. 1981; [GEC, 1996].

!Tarenna asiatica (L.) Kuntze ex K.Schum. in Bot. Tidsskr. 24: 332. 1902; *Tarenna zeylanica* Gaertn. in Fruct. Sem. Pl. 1: 139. 1788; [GEC, 1996].

Wendlandia heynei (Schult.) Santapau & Merchant in Bull. Bot. Surv. India 3: 110. 1962; Shah 360. 1978; Raghavan *et al.* 42. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Acanthaceae Juss.

Acanthus ilicifolius L. in Sp. Pl. 639. 1753; Raghavan *et al.* 65. 1981; [GEC, 1996].

Andrographis echioides (L. f.) Nees in Pl. Asiat. Rar. 3: 117. 1832; Shah 528. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 168. 1988; [GEC, 1996]; *Indoneesiella echioides* (L.) Sreem. in Phytologia 16: 466. 1968; Raghavan *et al.* 67. 1981.

Andrographis paniculata (Burm. f.) Wall. ex Nees in Wall. Pl. As. Rar. 3: 116. 1832; Shah 528. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 168. 1988; [GEC, 1996].

Asystasia chelonoides Nees in Pl. Asiat. Rar. 3: 89. 1832; [Gohil, 2006].

Asystasia dalzelliana Santapau in Kew Bull. 3: 276. 1948; Shah 529. 1978; Raghavan *et al.* 65. 1981; [GEC, 1996].

Asystasia gangetica (L.) T. Anderson in Enum. Pl. Zeyl. 235. 1860; Shah 529. 1978; Raghavan *et al.* 65. 1981; [GEC, 1996].

Avicennia marina (Forssk.) Vierh. in Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 71: 435. 1907; Shah 557. 1978; Bole & Pathak, 197. 1988; [GEC, 1996]; *Avicennia alba* Blume in Bijdr. 821. 1826; [Trees of Gujarat, 2008]; *Avicennia marina* var. *acutissima* (Forsk.) Vierh. Stapf & Moldenke in Phytologia. 1:411. 1940; Raghavan *et al.* 69. 1981; [Trees of Gujarat, 2008].

Avicennia officinalis L. in Sp. Pl. 110. 1753; Shah 557. 1978; Raghavan *et al.* 69. 1981; Bole & Pathak, 198. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Barleria acanthoides Vahl in Symb. Bot. 1: 47. 1790; Shah 530. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 169. 1988; [GEC, 1996].

Barleria cristata L. in Sp. Pl. 636. 1753; Shah 530. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 170. 1988; [GEC, 1996]; *Barleria cristata* var. *dichotoma* (Roxb.) Prain. in Beng. Pl. 812. 1903; Raghavan *et al.* 65. 1981.

Barleria cuspidata Heyne ex Nees in Pl. Asiat. Rar. 3: 93. 1832; Shah 531. 1978; [GEC, 1996].

Barleria gibsonii Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 339. 1850; Shah 531. 1978; Raghavan *et al.* 65. 1981; [GEC, 1996].

Barleria hochstetteri Nees in Prodr. 11: 231. 1847; Raghavan *et al.* 65. 1981; [GEC, 1996].

Barleria lawii T. Anderson in J. Linn. Soc., Bot. 9: 492. 1867; Shah 531. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 170. 1988; [GEC, 1996].

Barleria montana Nees in Pl. Asiat. Rar. 3: 92. 1832; [GEC, 1996].

Barleria prattensis Santapau in Kew Bull. 3: 487. 1948 publ. 1949; Shah 531. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 171. 1988; [GEC, 1996].

Barleria prionitis L. subsp. **prionitis** in Sp. Pl. 636. 1753; Shah 532. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 171. 1988; [GEC, 1996].

Barleria prionitis L. subsp. **pubiflora** (Benth. ex Hohen.) Brummitt & J. R. I. Wood in Kew Bull. 38: 436. 1983.

Blepharis integrifolia (L. f.) E. Mey. & Drège ex Schinz in Vierteljahrsschr. Naturf. Ges. Zürich 60: 416. 1915; *Blepharis repens* (Vahl) Roth in Nov. PL. in Sp. 321. 1821; Shah 533. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 173. 1988; [GEC, 1996].

Blepharis linariifolia Pers. in Syn. Pl. 2: 180. 1806; Shah 532. 1978; [GEC, 1996].

Blepharis maderaspatensis (L.) B. Heyne ex Roth in Nov. PL. in Sp. 320. 1821; Shah 533. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 172. 1988; [GEC, 1996].

!**Blepharis scindica** Stocks ex T. Anderson in J. Linn. Soc., Bot. 7: 36. 1864; *Blepharis sindica* Stocks ex T.Anderson in J. Linn. Soc., Bot. 9: 500; Raghavan *et al.* 65. 1981; Bole & Pathak, 173. 1988; [GEC, 1996].

Crossandra infundibuliformis (L.) Nees in Pl. Asiat. Rar. 3: 98. 1832; Shah 534. 1978; [GEC, 1996].

!**Cynarospermum asperrimum** (Nees) Vollesen in Kew Bull. 54: 172. 1999; *Blepharis asperrima* Nees in Prodr. 11: 267. 1847; Raghavan *et al.* 65. 1981; [GEC, 1996].

Dicliptera bupleuroides Nees in Pl. Asiat. Rar. 3: 111. 1832; *Dicliptera roxburghiana* Nees in Pl. Asiat. Rar. 3: 111. 1832; Shah 534. 1978; Raghavan *et al.* 66. 1981; [GEC, 1996].

Dicliptera leonotis Dalzell ex C. B. Clarke in Fl. Brit. India 4: 553. 1885; Raghavan *et al.* 66. 1981; [GEC, 1996].

!**Dicliptera paniculata** (Forssk.) I. Darbysh. in Kew Bull. 62: 122. 2007; *Peristrophe bicalyculata* (Retz.) Nees in Pl. Asiat. Rar. 3: 113. 1832; Shah 551. 1978; Raghavan *et al.* 68. 1981; Bole & Pathak, 193. 1988; [GEC, 1996].

Dicliptera verticillata (Forssk.) C. Chr. in Dansk Bot. Ark. 4(3): 11. 1922; Shah 535. 1978; Raghavan *et al.* 66. 1981; Bole & Pathak, 175. 1988; [GEC, 1996].

Dyschoriste dalzellii (T. Andreson) Kuntze in Revis. Gen. Pl. 2: 486. 1891; Shah 536. 1978; Raghavan *et al.* 66. 1981; [GEC, 1996].

Dyschoriste erecta (Burm.) Kuntze in Revis. Gen. Pl. 2: 485. 1891; Shah 537. 1978; Raghavan *et al.* 66. 1981; [GEC, 1996].

Dyschoriste vagans (Wight) Kuntze in Revis. Gen. Pl. 2: 486. 1891; Shah 537. 1978; [GEC, 1996].

Elytraria acaulis (L. f.) Lindau in Nat. Pflanzenfam. Nachtr. 1: 304. 1897; Shah 537. 1978; Raghavan *et al.* 66. 1981; Bole & Pathak, 177. 1988; [GEC, 1996].

!**Eranthemum pulchellum** Andrews in Bot. Repos. 2: t. 88 1800; *Eranthemum nervosum* (Vahl) R.Br. in Prodr. 1: 477.1 810; Shah 538. 1978; Raghavan *et al.* 66. 1981; Bole & Pathak, 178. 1988; [GEC, 1996]; *Pseuderanthemum bicolor* Radlk. in Sitzungsber. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. München 13: 286. 1883 publ. 1884; Shah 552. 1978; [GEC, 1996].

Eranthemum purpurascens Wight ex Nees in Pl. Asiat. Rar. 3: 106. 1832; Shah 538. 1978; Raghavan *et al.* 66. 1981; Bole & Pathak, 178. 1988; [GEC, 1996].

Eranthemum roseum (Vahl) R. Br. in Prodr. Fl. Nov. Holl. 477. 1810; Shah 539. 1978; Raghavan *et al.* 66. 1981; Bole & Pathak, 179. 1988; [GEC, 1996].

Gantelbua urens (B. Heyne ex Roxb.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2 41(1): 148. 1944; Shah 539. 1978; Raghavan *et al.* 66. 1981; [GEC, 1996].

Haplanthus nilgherrensis Wight in Icon. Pl. Ind. Orient. 4: t. 1556. 1850; Shah 540. 1978; Raghavan *et al.* 66. 1981; [GEC, 1996].

Haplanthus tentaculatus Nees in Prodr. 11: 513. 1847; Shah 540. 1978; Bole & Pathak, 180. 1988; [GEC, 1996].

Haplanthus verticillaris Nees in Prodr. 11: 513. 1847; Shah 540. 1978; Raghavan *et al.* 66. 1981; Bole & Pathak, 180. 1988; [GEC, 1996].

Hemiadelphis polysperma (Roxb.) Nees in Pl. Asiat. Rar. 3: 80. 1832; Shah 541. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 181. 1988; [GEC, 1996].

Hemigraphis crenata (Benth.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2. 41(1): 137. 1944; Shah 542. 1978; [GEC, 1996; Patil & Sabnis, 1982].

Hemigraphis crossandra (Steud.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2 41(1): 137. 1944; Raghavan *et al.* 67. 1981; [GEC, 1996].

Hemigraphis hirta T. Anderson in J. Linn. Soc., Bot. 9: 462. 1867; Shah 542. 1978; Raghavan *et al.* 67. 1981; [GEC, 1996].

Hemigraphis latebrosa (Roth) Nees in Prodr. 11: 723 1847; *Ruellia latebrosa* Roth in Nov. PL. Sp. 307. 1821.

Hemigraphis latebrosa (heyne ex Roth) Nees var. **heyneana** Bremek. in Mant. Mon. Strob. 139. 1944; Shah 542. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 181. 1988; [GEC, 1996].

Hygrophila polysperma (Roxb.) T. Anderson in J. Linn. Soc., Bot. 9: 456. 1867; Raghavan *et al.* 67. 1981; [GEC, 1996].

Hygrophila salicifolia (Vahl) Nees in Pl. Asiat. Rar. 3: 81; Raghavan *et al.* 67. 1981; Bole & Pathak, 183. 1988; [GEC, 1996].

Hygrophila schulli M. R. Almeida & S. M. Almeida in J. Bombay Nat. Hist. Soc. 83: 221. 1987. *Hygrophila auriculata* (Schum.) Heine in Kew Bull. 16: 172. 1962; Shah 543. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 182. 1988; [GEC, 1996].

Hygrophila schulli M. R. Almeida & S. M. Almeida var. **alba** Parmar in J. Econ. Taxon. Bot. 32(1): 149. 2008; [Pandey, 2002].

Hygrophila serpyllum T. Anderson in J. Linn. Soc., Bot. 9: 456. 1867; Shah 543. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 183. 1988; [GEC, 1996].

!**Justicia adhatoda** L. in Sp. Pl. 1: 15. 1753; *Adhatoda zeylanica* Medik. in Hist. & Commentat. Acad. Elect. Sci. Theod.-Palat. 6: 393. 1790; Raghavan *et al.* 65. 1981; *Adhatoda vasica* Nees in Pl. Asiat. Rar. 3: 103. 1832; Shah 527. 1978; Bole & Pathak, 167. 1988; [GEC, 1996].

Justicia betonica L. in Sp. Pl. 1: 15. 1753; Shah 545. 1978; Raghavan *et al.* 67. 1981; [GEC, 1996].

Justicia diffusa Willd. var. **diffusa** in Sp. Pl. 1: 87. 1797; Shah 545. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 185. 1988; [GEC, 1996].

Justicia diffusa Willd. var. **orbiculata** (Wall. ex T. And.) Clarke Fl. Brit. India 4: 538. 1884; Raghavan *et al.* 67. 1981.

Justicia gendarussa Burm. f. in Fl. Indica 10. 1768; Shah 545. 1978; Bole & Pathak, 185. 1981; [GEC, 1996]; *Gendarussa vulgaris* Nees in Pl. Asiat. Rar. 3: 104. 1832; Raghavan *et al.* 66. 1981.

Justicia heterocarpa T. Anderson in J. Linn. Soc.. 1988. Bot. 7: 41. 1863; Shah 546. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 186. 1988; [GEC, 1996].

!**Justicia japonica** Thunb. in Fl. Jap. 20 20 1784; *Justicia simplex* D. Don in Prodr. Fl. Nepal. 118. 1825; Shah 548. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 188. 1988; [GEC, 1996].

Justicia micrantha B. Heyne ex Wall. Numer. List n. 2449. 1830; Shah 546. 1978; [GEC, 1996].

Justicia neesii Ramamoorthy in Fl. Hassan Distr. 551. 1976; Raghavan *et al.* 67. 1981; Bole & Pathak, 186. 1988.

Justicia procumbens L. in Sp. Pl. 15. 1753; Shah 546. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 187. 1988; [GEC, 1996].

Justicia prostrata (Clarke) Gamble in Fl. Pres. Madras 1081; Shah 547. 1978; Raghavan *et al.* 67. 1981; [GEC, 1996].

Justicia quinqueangularis K. D. Koenig ex Roxb. var. **peploides** (Nees) Clarke in Fl. Brit. India 4: 537. 1885; Shah 547. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 188. 1988; [GEC, 1996].

Justicia quinqueangularis K. D. Koenig ex Roxb. var. **quinqueangularis** in Fl. Ind. 1: 134. 1820; Shah 547. 1978; Raghavan *et al.* 67. 1981; Bole & Pathak, 188. 1988; [GEC, 1996].

Justicia vahlii Roth in Nov. PL. in Sp. 14. 1821; Raghavan *et al.* 67. 1981; Bole & Pathak, 189. 1988; [GEC, 1996].

Lepidagathis bandraensis Blatt. in J. Proc. Asiat. Soc. Bengal n.s., 26: 347. 1930 publ. 1931; Raghavan *et al.* 68. 1981.

Lepidagathis cristata Willd. in Sp. Pl. 3: 400. 1800; Shah 548. 1978; Raghavan *et al.* 68. 1981; [GEC, 1996].

Lepidagathis cuspidata Nees in Pl. Asiat. Rar. 3: 97. 1832; Shah 548. 1978; Raghavan *et al.* 68. 1981; Bole & Pathak, 190. 1988; [GEC, 1996].

Lepidagathis trinervis Nees in Pl. Asiat. Rar. 3: 96. 1832; Shah 549. 1978; [GEC, 1996].

Mackenziea integrifolia (Dalzell) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2 41(1): 182. 1944; [Koshy *et al.*,].

Monechma debile (Forssk.) Nees in Prodr. 11: 411. 1847; Shah 549. 1978; Raghavan *et al.* 68. 1981; Bole & Pathak, 191. 1988; [GEC, 1996].

Nelsonia canescens (Lam.) Spreng. in Syst. Veg. 1: 42. 1824; Shah 549. 1978; Raghavan *et al.* 68. 1981; [GEC, 1996].

Neuracanthus sphaerostachys Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 140. 1850; Shah 550. 1978; Raghavan *et al.* 68. 1981; Bole & Pathak, 192. 1988; [GEC, 1996].

!**Neuracanthus tetragonostachyus** Nees subsp. **trinervius** (Wight) Bidgood in Kew Bull. 53(1): 16 16 1998; *Neuracanthus trinervius* Wight in Icon. Pl. Ind. Orient. 4(4): 5, t. 1532. 5. 1850; Shah 550. 1978; Raghavan *et al.* 68. 1981; Bole & Pathak, . 1988; [GEC, 1996].

Peristrophe montana Nees in Pl. Asiat. Rar. 3: 113. 1832; [Gohil, 2006].

Petalidium barlerioides (Roth) Nees in Pl. Asiat. Rar. 3: 82. 1832; Shah 551. 1978; Raghavan *et al.* 68. 1981; [GEC, 1996].

Rhinacanthus nasutus (L.) Kurz in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 39: 79. 1870; Shah 552. 1978; Raghavan *et al.* 68. 1981; [GEC, 1996].

Ruellia patula Jacq. var. **alba** Saxton in Rec. Bot. Surv. India 6: 288. 1918; Raghavan *et al.* 68. 1981; [GEC, 1996]; *Dipteracanthus patulus* (Jacq.) Nees var. alba (Saxton) Bhandari in Bull. Bot. Surv. India. 6: 327. 1965; [Pandey, 2001, Pandey & Padhye, 1997].

!**Ruellia patula** Jacq. var. **patula** in Misc. Austriac. 2: 358. 1779; *Dipteracanthus patulus* (Jacq.) Nees in Pl. Asiat. Rar. 3: 82. 1832; Shah 535. 1978; Raghavan *et al.* 66. 1981; Bole & Pathak, 175. 1988; [GEC, 1996].

Ruellia prostrata Poir. in Encycl. 6: 349. 1804; *Dipteracanthus prostratus* (Poir.) Nees in Pl. Asiat. Rar. 3: 81. 1832; Shah 536. 1978; Raghavan *et al.* 66. 1981; [GEC, 1996].

Ruellia tuberosa L. in Sp. Pl. 635. 1753; Shah 552. 1978; Raghavan *et al.* 68. 1981; Bole & Pathak, 193. 1988; [GEC, 1996].

Rungia elegans Dalzell & A. Gibson in Bombay Fl. 196. 1861; Shah 553. 1978; Raghavan *et al.* 68. 1981; Bole & Pathak, 194. 1988; [GEC, 1996].

Rungia muralis Royle ex Nees in Prodr. 11: 470. 1847; Raghavan *et al.* 68. 1981; [GEC, 1996, Oza, 1977].

Rungia parviflora Nees in Pl. Asiat. Rar. 3: 110. 1832; Shah 554. 1978; Raghavan *et al.* 68. 1981; Bole & Pathak, 195. 1988; [GEC, 1996].

Rungia pectinata (L.) Nees in Prodr. 11: 469. 1847; Shah 554. 1978; Raghavan *et al.* 68. 1981; Bole & Pathak, 195. 1988; [GEC, 1996].

Rungia repens (L.) Nees in Pl. Asiat. Rar. (Wallich). 3. 110; Shah 554. 1978; Raghavan *et al.* 68. 1981; [GEC, 1996].

!**Sanchezia oblonga** Ruiz & Pav. in Fl. Peruv. Prodr. 1: 7, pl. 8, 1798; *Sanchezia nobilis* Hook. in Bot. Mag. 92: t. 5594 t. 5594. 1866; Raghavan *et al.* 68. 1981; [GEC, 1996].

Sericocalyx scaber (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2 41(1): 163. 1944; Raghavan *et al.* 68. 1981; [GEC, 1996].

Staurogyne glauca Kuntze in Revis. Gen. Pl. 2: 497. 1891; [GEC, 1996].

Staurogyne zeylanica Kuntze in Revis. Gen. Pl. 2: 497. 1891; Shah 555. 1978; [GEC, 1996].

!**Strobilanthes callosus** Nees in Pl. Asiat. Rar. (Wallich). iii. 85, partim; *Carvia callosa* (Nees) Bremek in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2 41(1): 187. 1944; Shah 533. 1978; Raghavan *et al.* 65. 1981; Bole & Pathak, 174. 1988; [GEC, 1996].

Thelepaepale ixiocephala (Benth.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41(1): 187. 1944; Shah 555. 1978; Raghavan *et al.* 68. 1981; [GEC, 1996].

Thunbergia alata Bojer ex Sims in Bot. Mag. 52: t. 2591. 1825; Raghavan *et al.* 69. 1981; [GEC, 1996]; *Thunbergia grandiflora* (Roth ex Rottl.) Roxb. in Bot. Reg. 6:pl. 495. 1820; Shah 556. 1978; Raghavan *et al.* 69. 1981; [GEC, 1996].

Thunbergia erecta (Benth.) T. Anderson in J. Proc. Linn. Soc., Bot. 7: 18. 1864; Shah 556. 1978; Raghavan *et al.* 69. 1981; Bole & Pathak, 197. 1988.

!**Thunbergia fragrans** Roxb. var. **laevis** (Nees) C. B. Clarke ex Hook. f. in Fl. Brit. India 4: 391. 1884; *Thunbergia laevis* Neesin Pl. Asiat. Rar. 3: 77. 1832; Shah 556. 1978; [GEC, 1996].

Thyrsacanthus nitidus Nees in Prodr. 11: 327. 1847; Raghavan *et al.* 69. 1981; Bole & Pathak, 196. 1988; [GEC, 1996].

Bignoniaceae Juss.

Anemopaegma chamberlaynii (Sims) Bureau & K. Schum in Fl. Bras. (Martius) 8(2): 128. 1896; [Patel, 2013].

Campsis grandiflora (Thunb.) K. Schum in Engler & Prantl, Nat. Pflanzenfam. 4(3b): 230. 1894; [Patel, 2013].

Crescentia alata Kunth in Nov. Gen. Sp. Pl. 3: 158. 1818; Raghavan *et al.* 64. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Crescentia cujete L. in Sp. Pl. 2: 626. 1753; [GEC, 1996; Trees of Gujarat, 2008].

!**Dolichandrone atrovirens** (Roth) K. Schum. in Nat. Pflanzenfam. 4(3a): 240 1894; ** *Dolichandrone atrovirens* (Heyne ex Roth) Sprague in Bull. Misc. Inform. 304. 1919; Shah 517. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Dolichandrone falcata (Wall. ex DC.) Seem. var. **falcate** in J. Bot. 8: 381. 1870; Raghavan *et al.* 64. 1981; [Trees of Gujarat, 2008].

Dolichandrone falcata (Wall. Ex DC.) Seem. var. **lawii** Sprague in Kew Bull. 309. 1919; Shah 518. 1978; Raghavan *et al.* 64. 1981; [GEC, 1996].

Fernandoa adenophylla (Wall. ex G. Don) Steenis in Blumea 23: 135. 1976; [Trees of Gujarat, 2008]; *Haplophragma adenophyllum* (Wall. ex G.Don) Dopin Bull. Soc. Bot. France 72: 890. 1926; Shah 518. 1978; [GEC, 1996].

!**Handroanthus impetiginosus** (Mart. ex DC.) Mattos in Loefgrenia 50: 2. 1970; *Tabebuia impetiginosa* (Mart. ex DC.) Standl. in Publ. Field Mus. Nat. Hist., Bot. Ser. 11: 176. 1936; [Trees of Gujarat, 2008].

Heterophragma quadriloculare (Roxb.) K. Schum. in Nat. Pflanzenfam. 4(3b): 243. 1895; Shah 519. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 157. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Jacaranda mimosifolia D. Don in Bot. Reg. 8: t. 631. 1822; Shah 519. 1978; Raghavan *et al.* 64. 1981; [GEC, 1996; Trees of Gujarat, 2008].

!**Kigelia africana** (Lam.) Benth. in Niger Fl. 463. 1849; *Kigelia pinnata* (Jacq.) DC. in Prodr. 9: 247. 1845; Shah 519. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 157. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Mansoa hymenaea (DC.) A. H. Gentry in Ann. Missouri Bot. Gard. 66: 782. 1980; [Patel, 2013].

Markhamia lutea (Benth.) K. Schum. in Nat. Pflanzenfam. 4(3b): 242. 1895; *Markhamia platycalyx* (Baker) Spraguein Icon. Pl. pl. 28: t. 2800. 1905; [Trees of Gujarat, 2008].

Millingtonia hortensis L. f. in Suppl. Pl. 291. 1782; Shah 520. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 158. 1988; [GEC, 1996; Trees of Gujarat, 2008].

!**Oroxylum indicum** (L.) Kurz in Forest Fl. Burma 2: 237 1877; ** *Oroxylum indicum* Vent. in Dec. Gen. Nov. 8. 1808; Shah 520. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 158. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Pyrostegia venusta (Ker Gawl.) Miers in Proc. Roy. Hort. Soc. London 3: 188. 1863; Raghavan *et al.* 64. 1981; Bole & Pathak, 159. 1988; [GEC, 1996].

Radermachera xylocarpa (Roxb.) Roxb. ex K. Schum. in Nat. Pflanzenfam. 4(3b): 243. 1895; Shah 521. 1978; Raghavan *et al.* 64. 1981; [GEC, 1996; Trees of Gujarat, 2008].

Spathodea campanulata P. Beauv. in Fl. Oware 1: 47. 1805; Shah 521. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 159. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Stereospermum chelonoides (L. f.) DC. in Biblioth. Universelle Genève n.s., 17: 124. 1838; [Trees of Gujarat, 2008]; *Stereospermum suaveolens* (Roxb.) DC. in Biblioth. Universelle Geneve n.s., 17: 124. 1838; Shah 522. 1978; Raghavan *et al.* 64. 1981; [GEC, 1996].

!!**Stereospermum tetragonum** DC. in Biblioth. Universelle Genève n.s., 17: 124. 1838; *Stereospermum personatum* (Hassk.) Chatterjee in Bull. Bot. Soc. Bengal 2: 70. 1948; Shah 522. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 160. 1988; [GEC, 1996]; *Stereospermum colais* (Buch. -Ham. ex Dillwyn) Mabb. in Taxon 27: 553. 1978. publ. 1979; [Trees of Gujarat, 2008].

Tabebuia aurea (Silva Manso) Benth. & Hook. f. ex S. Moore in Trans. Linn. Soc. London, Bot. 4: 423. 1895; [Trees of Gujarat, 2008].

Tabebuia heterophylla (DC.) Britton in Ann. Missouri Bot. Gard. 2: 48. 1915; *Tabebuia pentaphylla* (L.) Hemsl. in Biol. Cent.-Amer., Bot. 2: 495. 1882; Raghavan *et al.* 64. 1981; Bole & Pathak, 160. 1988; [GEC, 1996].

Tabebuia pallida (Lindl.) Miers in Proc. Roy. Hort. Soc. London 3: 199. 1863; [Trees of Gujarat, 2008].

Tabebuia rosea (Bertol.) Bertero ex A. DC. in Prodr. 9: 215. 1845; [Trees of Gujarat, 2008].

!**Tecoma capensis** (Thunb.) Lindl. in Bot. Reg. 13: t. 1117 1828; ** *Tecomaria capensis* (Thunb.) Spach in Hist. Nat. Veg. 9: 137. 1840; Shah 522. 1978; Raghavan *et al.* 64. 1981; [GEC, 1996].

Tecoma stans Kuntz. in Nov. Gen. & Spec. 3: 114. 1819; Shah 522. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 161. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Tecomella undulata (Sm.) Seem. in Ann. Mag. Nat. Hist. III, 10: 30. 1862; Shah 523. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 161. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Gesneriaceae Rich. & Juss.

Didymocarpus pygmaeus C. B. Clarke in Monogr. Phan. 5: 82. 1883; Shah 515. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Lamiaceae Martinov

Anisochilus carnosus (L. f.) Wall. in Pl. Asiat. Rar. 2: 18. 1830; Shah 567. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 213. 1988; [GEC, 1996].

Anisomeles heyneana Benth. in Pl. Asiat. Rar. 1: 59. 1830; Shah 568. 1978; Raghavan *et al.* 70. 1981; [GEC, 1996].

Anisomeles indica (L.) Kuntze in Revis. Gen. Pl. 2: 512. 1891; Shah 568. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 213. 1988; [GEC, 1996].

Anisomeles malabarica (L.) R. Br. ex Sims in Bot. Mag. 46: t. 2071. 1819; Shah 569. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 214. 1988; [GEC, 1996].

Basilicum polystachyon (L.) Moench in Suppl. Meth. 143. 1802; Raghavan *et al.* 70. 1981; *Moschosma polystachyon* (L.) Benth. in Pl. Asiat. Rar. 2: 13. 1830; Shah 575. 1978; [GEC, 1996].

Callicarpa tomentosa (L.) L. in Syst. Veg. (ed. 13) 153. 1774; Raghavan *et al.* 69. 1981; [GEC, 1996].

!**Clerodendrum chinense** (Osbeck) Mabb. in Plant-book Repr. 707. 1989; *Clerodendrum philippinum* Schauer in Prodr. 11: 667. 1847; Raghavan *et al.* 69. 1981; [GEC, 1996].

Clerodendrum inerme (L.) Gaertn. in Fruct. Sem. Pl. 1: 271. 1788; Shah 558. 1978; Raghavan *et al.* 69. 1981; Bole & Pathak, 200. 1988; [GEC, 1996].

!**Clerodendrum phlomidis** L. f. in Suppl. Pl. 292 1782; ##*Clerodendrum phlomoides* L. f. in Suppl. Pl. 292. 1782; Raghavan *et al.* 69. 1981; [Trees of Gujarat, 2008]; *Clerodendrum multiflorum* (Burm. f.) Kuntze in Revis. Gen. Pl. 2: 526. 1891; Shah 559. 1978; Bole & Pathak, 201. 1988; [GEC, 1996].

Clerodendrum thomsoniae Balf. f. in Gard. Chron. 1862: 70. 1862.

Clerodendrum viscosum Vent. in Jard. Malmaison t. 25. 1803; Raghavan *et al.* 69. 1981; [GEC, 1996]; *Clerodendrum infortunatum* L. in Sp. Pl. 637. 1753; [GEC, 1996].

Colebrookea oppositifolia Sm. in Exot. Bot. 2: 111. 1806; Shah 569. 1978; Raghavan *et al.* 71. 1981; [GEC, 1996].

Coleus forskohlii (Willd.) Briq. in Nat. Pflanzenfam. div. 4(3a): 359. 1897; Shah 569. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 215. 1988; [GEC, 1996].

Gmelina arborea Roxb. in Hort. Bengal. 46. 1814; Shah 560. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 202. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Gmelina asiatica L. in Sp. Pl. 626. 1753; Raghavan *et al.* 70. 1981; [GEC, 1996].

Gmelina philippensis Cham. in Linnaea 7: 109. 1832; Shah 560. 1978; [GEC, 1996].

Holmskioldia sanguinea Retz. in Observ. Bot. 6: 31. 1791; Shah 561. 1978; [GEC, 1996].

Hyptis suaveolens (L.) Poit. in Ann. Mus. Hist. Nat. 7: 472. 1806; Shah 570. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 216. 1988; [GEC, 1996].

!**Isodon lophanthoides** (Buch.-Ham. ex D.Don) H.Hara in J. Jap. Bot. 60: 235 1985; *Plectranthus stocksii* Hook. f. in Fl. Brit. India 4: 618. 1885; Shah 580. 1978; Raghavan *et al.* 72. 1981; [GEC, 1996].

Lavandula bipinnata (Roth) Kuntze in Revis. Gen. Pl. 2: 521. 1891; Shah 570. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 216. 1988; [GEC, 1996]; *Lavandula bipinnata* var. *rothiana* Kuntze in Revis. Gen. Pl. 2: 521. 1891; Raghavan *et al.* 71. 1981.

Leonotis nepetifolia (L.) R. Br. in Hortus Kew. 3: 409. 1811; Shah 570. 1978; Raghavan *et al.* 71. 1981; [GEC, 1996].

!**Leucas aspera** (Willd.) Link in Enum. Hort. Berol. Alt. 2: 113 1822; ** *Leucas aspera* (Willd.) Spreng. in Syst. 2: 743. 1825; Shah 572. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 217. 1988; [GEC, 1996].

Leucas biflora (Vahl) R. Br. ex Sm. in Cycl. 20(2): 7. 1812; Shah 572. 1978; Raghavan *et al.* 71. 1981; [GEC, 1996].

Leucas cephalotes (Roth) Spreng. in Syst. Veg. 2: 743. 1825; Shah 572. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 218. 1988; [GEC, 1996].

Leucas decemdentata (Willd.) Sm. in Cycl. 20. 1819; *Leucas flaccida* R.Br. in Prodr. Fl. Nov. Holl. 505. 1810.

Leucas lavandulifolia Sm. in Cycl. 20: 2. 1812; Shah 573. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 219. 1988; [GEC, 1996].

Leucas longifolia Benth. in Labiat. Gen. Spec. 744. 1835; Shah 573. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 219. 1988; [GEC, 1996].

Leucas martinicensis (Jacq.) R. Br. in Hortus Kew. 3: 409. 1811; Shah 573. 1978; Raghavan *et al.* 71. 1981; [GEC, 1996].

Leucas nutans (Roth) Spreng. in Syst. Veg. 2: 743. 1825; Shah 573. 1978; Raghavan *et al.* 71. 1981; [GEC, 1996].

Leucas stelligera Wall. ex Benth. in Pl. Asiat. Rar. 1: 61. 1830; Shah 574. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 220. 1988; [GEC, 1996].

Leucas stricta Benth. in Pl. Asiat. Rar. 1: 61. 1830; Shah 574. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 220. 1988; [GEC, 1996].

!**Leucas urticifolia** (Vahl) R. Br. ex Sm. in Cycl. 20: 4 1812; ** *Leucas urticifolia* (Vahl) R. Br. in Prodr. 504. 1810; Shah 574. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 220. 1988; [GEC, 1996].

!**Leucas zeylanica** (L.) W. T. Aiton in Hortus Kew. 3: 409. 1811; ** *Leucas zeylanica* (L.) R. Br. in Prodr. 504. 1810; Shah 575. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 221. 1988; [GEC, 1996].

Mentha spicata L. in Sp. Pl. 576. 1753; Shah 575. 1978; [GEC, 1996].

Nepeta bombaiensis Dalzell in Bombay Fl. 209. 1861; Shah 576. 1978; Raghavan *et al.* 71. 1981; Bole & Pathak, 222. 1988; [GEC, 1996].

Nepeta hindostana (B. Heyne ex Roth) Haines var. **hindostana** in Bot. Bihar Orissa 4: 744. 1922; Shah 576. 1978; Raghavan *et al.* 72. 1981; [GEC, 1996].

Nepeta hindostana (B. Heyne ex Roth) Haines var. **woodrowii** (Cooke) Santapau in Fl. Purandhar 110. 1958; Shah 576. 1978; [GEC, 1996].

Ocimum americanum L. in Cent. Pl. I 15. 1755; Raghavan *et al.* 72. 1981; Bole & Pathak, 223. 1988; *Ocimum canum* Sims in Bot. Mag. 51: t. 2452. 1823; Shah 577. 1978; [GEC, 1996].

Ocimum basilicum L. in Sp. Pl. 597. 1753; Shah 577. 1978; Raghavan *et al.* 72. 1981; Bole & Pathak, 223. 1988; [GEC, 1996]; *Ocimum basilicum* var. *thyrsiflorum* (L.) Benth. in Labiat. Gen. Spec. 5. 1832; Shah 577. 1978; Bole & Pathak, 224. 1988.

Ocimum filamentosum Forssk. in Fl. Aegypt.-Arab. 108. 1775; *Ocimum adscendens* Willd. in Sp. Pl. 3: 166. 1800; Bole & Pathak, 222. 1988.

Ocimum gratissimum L. in Sp. Pl. 1197. 1753; Shah 578. 1978; Raghavan *et al.* 72. 1981; Bole & Pathak, 224. 1988; [GEC, 1996].

Ocimum kilimandscharicum Gürke in Pflanzenw. Ost-Afrikas C: 349. 1895; Raghavan *et al.* 72. 1981; Bole & Pathak, 225. 1988; [GEC, 1996].

Ocimum tenuiflorum L. in Sp. Pl. 597. 1753; *Ocimum sanctum* L. in Mant. Pl. 1: 85. 1767; Shah 578. 1978; Raghavan *et al.* 72. 1981; Bole & Pathak, 225. 1988; [GEC, 1996].

Orthosiphon pallidus Royle ex Benth. in Hooker's J. Bot. Kew Gard. Misc. 3: 370. 1833; Shah 579. 1978; Raghavan *et al.* 72. 1981; Bole & Pathak, 226. 1988; [GEC, 1996].

Orthosiphon thymiflorus (Roth) Sleesen in Reinwardtia 5: 42. 1959; *Orthosiphon glabratus* Benth. in Pl. Asiat. Rar. 2: 14. 1830; Shah 578. 1978; Raghavan *et al.* 72. 1981; [GEC, 1996].

Platostoma hispidum (L.) A. J. Paton in Kew Bull. 52: 273. 1997; *Acrocephalus indicus* (Burm. f.) Kunze in Revis. Gen. Pl. 2: 511. 1891; Shah 567. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 212. 1988; [GEC, 1996].

!**Plectranthus amboinicus** (Lour.) Spreng. in Syst. Veg. 2: 690. 1825; *Coleus amboinicus* Lour. in Fl. Cochinch. 372. 1790; Raghavan *et al.* 71. 1981; [GEC, 1996].

!**Plectranthus barbatus** Andrews in Bot. Repos. 10: t. 594. 1810; *Coleus barbatus* (Andrews) Benth. in Pl. Asiat. Rar. 2: 15. 1830; Raghavan *et al.* 71. 1981.

!**Plectranthus caninus** Roth in Nov. PL. in Sp. 279 1821; *Coleus caninus* (Roth) Vatke in Linnaea 37: 318. 1872; Raghavan *et al.* 71. 1981; Bole & Pathak, 215. 1988; [GEC, 1996].

Plectranthus mollis (Aiton) Spreng. in Syst. Veg. 2: 690. 1825; Shah 579. 1978; Raghavan *et al.* 72. 1981; [GEC, 1996].

!**Plectranthus scutellarioides** (L.) R. Br. in Prodr. Fl. Nov. Holl. 506. 1810; *Coleus blumei* Benth. in Labiat. Gen. Spec. 56. 1832.

Pogostemon benghalensis (Burm. f.) Kuntze in Revis. Gen. Pl. 2: 529. 1891; Raghavan *et al.* 72. 1981; [GEC, 1996].

Pogostemon parviflorus Benth. in Pl. Asiat. Rar. 1: 31. 1830; Shah 580. 1978; Raghavan *et al.* 72. 1981; [GEC, 1996].

Pogostemon purpurascens Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 337. 1850; Shah 580. 1978; Raghavan *et al.* 72. 1981; [GEC, 1996].

!**Pogostemon stellatus** (Lour.) Kuntze in Revis. Gen. Pl. 2: 429 1891; *Eusteralis tomentosa* (Dalzell) Majumdar in J. Bombay Nat. Hist. Soc. 74(2): 385. 1977; Raghavan *et al.* 71. 1981; *Dysophylla stellata* (Lour.) Benth. in Pl. Asiat. Rar. 1: 30. 1830; [171].

Premna coriacea C. B. Clarke in Fl. Brit. India 5: 573. 1888; Shah 563. 1978; Raghavan *et al.* 70. 1981; [GEC, 1996].

Premna corymbosa (Burm. f.) Rottler & Willd. in Neue Schriften Ges. Naturf. Freunde Berlin 4: 187. 1803; Raghavan *et al.* 70. 1981.

Premna herbacea Roxb. in Fl. Ind. ed. 3: 80. 1832; Bole & Pathak, 206. 1988; *Pygmaeopremna herbacea* (Roxb.) Moldenke in Phytologia 2: 54. 1941; Raghavan *et al.* 70. 1981; [GEC, 1996].

Premna resinosa (Hochst.) Schauer in Prodr. 11: 637. 1847; Shah 563. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 208. 1988; [GEC, 1996].

!**Premna serratifolia** L. in Mant. Pl. 2: 253 1771; *Premna obtusifolia* R.Br. in Prodr. Fl. Nov. Holl. 512. 1810; Bole & Pathak, 207. 1988; *Premna integrifolia* L. in Mant. Pl. 2: 154. 1988. 252. 1771; Shah 563. 1978; [GEC, 1996].

!**Rotheca serrata** (L.) Steane & Mabb. in Novon 8: 206. 1998; *Clerodendrum serratum* (L.) Moon in Cat. Pl. Ceylon 46. 1824; Shah 559. 1978; Raghavan *et al.* 69. 1981; [GEC, 1996].

Salvia aegyptiaca L. in Sp. Pl. 23. 1753.

Salvia plebeia R. Br. in Prodr. Fl. Nov. Holl. 501. 1810; Shah 581. 1978; Raghavan *et al.* 72. 1981; [GEC, 1996].

Salvia santolinifolia Boiss. in Diagn. Pl. Orient. 5: 13. 1844; Shah 581. 1978; Raghavan *et al.* 72. 1981; Bole & Pathak, 226. 1988; [GEC, 1996].

Tectona grandis L. f. in Suppl. Pl. 151. 1782; Shah 564. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 209. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Vitex negundo L. var. **incisa** (Lam.) C. B. Clarke in Fl. Brit. India 4: 584. 1885; [Trees of Gujarat, 2008].

Vitex negundo L. var. **negundo** in Sp. Pl. 638. 1753; Shah 564. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 210. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Vitex trifolia L. in Sp. Pl. 638. 1753; Shah 565. 1978; [GEC, 1996; Trees of Gujarat, 2008].

Lentibulariaceae Rich.

Utricularia arcuata Wight in Hooker's J. Bot. Kew Gard. Misc. 1: 372. 1849; Shah 514. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Utricularia aurea Lour. in Fl. Cochinch. 1: 26. 1790; [GEC, 1996; Patel *et al.*, 1985].

Utricularia caerulea L. in Sp. Pl. 1: 18. 1753; Shah 514. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Utricularia gibba L. subsp. **exoleta** (R. Br.) P. Taylor in Mitt. Bot. Staatssamml. München 4: 101. 1961; Shah 514. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Utricularia inflexa Forssk. in Fl. Aegypt.-Arab. 9. 1775; Raghavan *et al.* 63. 1981.

Utricularia reticulata Sm. in Exot. Bot. 2: 119. 1808; Shah 515. 1978; Raghavan *et al.* 63. 1981; Bole & Pathak, 155. 1988; [GEC, 1996].

Utricularia stellaris L. f. in Suppl. Pl. 86. 1782; Bole & Pathak, 156. 1988. *Utricularia inflexa* var. stellaris (L. f.) P.Taylor in Mitt. Bot. Staatssamml. München 4: 96. 1961; Shah 514. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Utricularia striatula Sm. in Cycl. 37: no. 17. 1818; Shah 515. 1978; Raghavan *et al.* 63. 1981; Bole & Pathak, 156. 1988; [GEC, 1996].

Linderniaceae Borsch, K. Müll. bis & Eb. Fisch.

Lindernia anagallis (Burm. f.) Pennell in J. Arnold Arbor. 24(3): 252. 1943; Raghavan *et al.* 61. 1981; [GEC, 1996].

Lindernia antipoda (L.) Alston in Handb. Fl. Ceylon 6(Suppl., 2): 214. 1931; Shah 500. 1978; Raghavan *et al.* 61. 1981; [GEC, 1996].

Lindernia ciliata (Colsm.) Pennell in J. Arnold Arbor. 24(3): 253. 1943; Shah 500. 1978; Raghavan *et al.* 61. 1981; [GEC, 1996].

Lindernia crustacea (L.) f. Muell. in Syst. Census Austral. Pl. 97. 1882; Shah 501. 1978; Raghavan *et al.* 61. 1981; Bole & Pathak, 147. 1988; [GEC, 1996].

Lindernia estaminodiosa (Blatt. & Hallb.) Mukerjee in J. Indian Bot. Soc. 24: 133. 1945; [GEC, 1996].

Lindernia glandulifera (Blume) Backer in Onkruidfl. Jav. Suikerrietgr. 616. 1930; Raghavan *et al.* 61. 1981; [GEC, 1996].

Lindernia hyssopoides (L.) Haines in Bot. Bihar Orissa 4: 635. 1922; Shah 501. 1978; Raghavan *et al.* 61. 1981; [GEC, 1996].

Lindernia multiflora (Roxb.) Mukerjee in J. Indian Bot. Soc. 24: 131. 1945; Shah 501. 1978; Raghavan *et al.* 61. 1981; Bole & Pathak, 147. 1988; [GEC, 1996].

Lindernia nummulariifolia (D. Don) Wettst. in Nat. Pflanzenfam. 4(3b): 80. 1891; Raghavan *et al.* 61. 1981; [GEC, 1996]; *Lindernia sessiliflora* (Benth.) Wettst. in Nat. Pflanzenfam. 4(3b): 79. 1891; [GEC, 1996].

Lindernia oppositifolia (L.) Mukerjee in J. Indian Bot. Soc. 24: 134. 1945; Shah 502. 1978; Raghavan *et al.* 61. 1981; [GEC, 1996].

Lindernia parviflora (Roxb.) Haines in Bot. Bihar Orissa 4: 635. 1922; Shah 502. 1978; Raghavan *et al.* 61. 1981; Bole & Pathak, 148. 1988; [GEC, 1996].

Lindernia pusilla (Willd.) Bold. in Zakfl. Java 165. 1916; [GEC, 1996].

Lindernia verbenifolia (Colsm.) Pennell in Acad. Nat. Sci. Philadelphia Monogr. 5: 31. 1943; Raghavan *et al.* 61. 1981; [GEC, 1996].

Torenia asiatica L. in Sp. Pl. 619. 1753; Shah 509. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Torenia indica C. J. Saldanha in Bull. Bot. Surv. India 8: 127. 1967; Shah 510. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Martyniaceae Horan.

Martynia annua L. in Sp. Pl. 2: 618. 1753; Shah 524. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 164. 1988; [GEC, 1996].

Oleaceae Hoffmanns. & Link

Jasminum auriculatum Vahl in Symb. Bot. 3: 1. 1794; Raghavan *et al.* 49. 1981; [GEC, 1996].

Jasminum azoricum L. in Sp. Pl. 7. 1753; Raghavan *et al.* 49. 1981.

Jasminum calophyllum Wall. & G. Don in Gen. Hist. 4: 63. 1837; Raghavan *et al.* 49. 1981; [GEC, 1996].

Jasminum flexile Vahl in Symb. Bot. 3: 1. 1794; Shah 410. 1978; [GEC, 1996].

Jasminum grandiflorum L. in Sp. Pl. (ed. 2) 9. 1762; Bole & Pathak, 51. 1981; *Jasminum officinale* L. var. *grandiflorum* (L.) Kobuski in J. Arn. Bot. Rep. t. 496. 1801; Raghavan *et al.* 49. 1981.

Jasminum malabaricum Wight in Icon. Pl. Ind. Orient. 4: t. 1250. 1848; Shah 411. 1978; Raghavan *et al.* 49. 1981; [GEC, 1996].

Jasminum multiflorum (Burm. f.) Andrews in Bot. Repos. 8: t. 496. 1807; Shah 411. 1978; Raghavan *et al.* 49. 1981; Bole & Pathak, 51. 1988; [GEC, 1996].

Jasminum nervosum Lour. in Fl. Cochinch. 20. 1790; *Jasminum anastomosans* Wall. ex DC. in Prodr. 8: 305. 1844.

Jasminum officinale L. in Sp. Pl. 7. 1753; Raghavan *et al.* 49. 1981; Bole & Pathak, 51. 1988; [GEC, 1996].

Jasminum sambac (L.) W. T. Aiton in Hort. Kew. 1: 8. 1789; Raghavan *et al.* 49. 1981; Bole & Pathak, 52. 1988; [GEC, 1996].

Nyctanthes arbor-tristis L. in Sp. Pl. 6 .1753; Shah 411. 1978; Raghavan *et al.* 49. 1981; Bole & Pathak, 53. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Schrebera swietenioides Roxb. in Pl. Coromandel 2: 1. 1799; Shah 412. 1978; Raghavan *et al.* 49. 1981; Bole & Pathak, 53. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Mazaceae Reveal

Mazus pumilus (Burm. f.) Steenis in Nova Guinea, n.s., 9(1): 31. 1958; Shah 502. 1978; Raghavan *et al.* 62. 1981; [GEC, 1996].

Orobanchaceae Vent.

Aeginetia indica L. in Sp. Pl. 632. 1753; Shah 511. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Buchnera hispida Buch. -Ham. ex D. Don in Prodr. Fl. Nepal. 91. 1825; Shah 496. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 142. 1988; [GEC, 1996].

Centranthera indica (L.) Gamble in Fl. Madras 971. 1924; Shah 496. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 143. 1988; [GEC, 1996].

Cistanche tubulosa (Schenk) Wight in Icon. Pl. Ind. Orient. 4: t. 1420 bis. 1848; Shah 511. 1978; Raghavan *et al.* 63. 1981; Bole & Pathak, 154. 1988; [GEC, 1996].

Lindenbergia indica Kuntze in Revis. Gen. Pl. 2: 462. 1891; Raghavan *et al.* 61. 1981.

Lindenbergia macrostachya Benth. in Scroph. Ind. 22. 1835; Bole & Pathak, 146. 1988.

Lindenbergia muraria (Roxburgh ex D. Don) Brühl in J. Dept. Sci. Calcutta Univ. 2: 26. 1920; Shah 499. 1978; Bole & Pathak, 146. 1988.

Orobanche aegyptiaca Pers. in Syn. Pl. 2: 181. 1807; Shah 512. 1978; Raghavan *et al.* 63. 1981; Bole & Pathak, 155. 1988; [GEC, 1996].

Orobanche cernua Loefl. var. **nepalensis** Loefl. in DC., Prodr. 11: 33. 1847; Shah 514. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Rhamphicarpa fistulosa (Hochst.) Benth. in Prodr. 10: 504 1846; *Rhamphicarpa longiflora* Benth. in Compan. Bot. Mag. 1: 368. 1836; Shah 504. 1978; Raghavan *et al.* 62. 1981; [GEC, 1996].

Sopubia delphinifolia (L.) G. Don var. **delphinifolia** in Gen. Hist. 4: 560. 1837; Shah 505. 1978; Raghavan *et al.* 62. 1981; Bole & Pathak, 149. 1988; [GEC, 1996].

Sopubia delphinifolia (L.) G. Don var. **parviflora** in Benth. DC. Prodr. 10 : 522. 1846; Raghavan *et al.* 62. 1981.

Sopubia trifida Buch. -Ham. ex D. Don in Prodr. Fl. Nepal. 88. 1825; Shah 506. 1978; Raghavan *et al.* 62. 1981; [GEC, 1996].

Striga angustifolia (D. Don) C. J. Saldanha in Bull. Bot. Surv. India 5: 70. 1963; Shah 507. 1978; Raghavan *et al.* 62. 1981; Bole & Pathak, 151. 1988; [GEC, 1996].

Striga asiatica (L.) Kuntze var. **albiflora** (Kuntze) Santapau in Rev. Gen. Plant. 466. 1891; Bole & Pathak, 152. 1988.

Striga asiatica (L.) Kuntze var. **asiatica** in Revis. Gen. Pl. 2: 466. 1891; Shah 508. 1978; Raghavan *et al.* 62. 1981; Bole & Pathak, 151. 1988; [GEC, 1996].

Striga densiflora (Benth.) Benth. in Companion Bot. Mag. 1: 363. 1836; Shah 508. 1978; Raghavan *et al.* 62. 1981; Bole & Pathak, 152. 1988; [GEC, 1996].

Striga gesnerioides (Willd.) Vatke ex Engler var. **minor** Santapau in Kew Bull. 1948: 491. 1949; Raghavan *et al.* 62. 1981.

Striga gesnerioides (Willd.) Vatke ex Engler. 1981. var. **gesnerioides** in Oesterr. Bot. Z. 25: 11. 1875; Shah 508. 1978; Raghavan *et al.* 62. 1981; Bole & Pathak, 152. 1988; [GEC, 1996].

Striga sulphurea Dalzell & A. Gibson in Bombay Fl. 182. 1861; Raghavan *et al.* 63. 1981; [GEC, 1996].

Pedaliaceae R. Br.

Pedalium murex L. in Syst. Nat. (ed. 10) 1123. 1759; Shah 523. 1978; Raghavan *et al.* 64. 1981; Bole & Pathak, 162. 1988; [GEC, 1996].

Sesamum indicum L. in Sp. Pl. 634. 1753; Shah 524. 1978; Bole & Pathak, 163. 1988; [GEC, 1996]; *Sesamum orientale* L. in Sp. Pl. 634. 1753; Raghavan *et al.* 65. 1981.

Sesamum laciniatum Klein ex Willd. in Sp. Pl. 3: 359. 1800; Raghavan *et al.* 65. 1981; Bole & Pathak, 163. 1988; [GEC, 1996].

Sesamum prostratum Retz. in Observ. Bot. 4: 38. 1786; Raghavan *et al.* 65. 1981; [GEC, 1996].

Phrymaceae Schauer

Glossostigma diandrum (L.) Kuntze in Revis. Gen. Pl. 2: 461. 1891; Shah 497. 1978; Raghavan *et al.* 60. 1981; [GEC, 1996].

Mimulus strictus Benth. in Numer. List 3918. 1831; Shah 503. 1978; Raghavan *et al.* 62. 1981; [GEC, 1996].

Peplidium maritimum Wettst. in Nat. Pflanzenfam. 4(3b): 78. 1891; Shah 504. 1978; Raghavan *et al.* 62. 1981; Bole & Pathak, 148. 1988; [GEC, 1996].

Plantaginaceae Juss.

Angelonia grandiflora C. Morren in Ann. Soc. Roy. Agric. Gand 3: 93. 1847; Raghavan *et al.* 60. 1981; [GEC, 1996].

Antirrhinum majus L. in Sp. Pl. 617. 1753.

Bacopa floribunda (R. Br.) Wettst. in Nat. Pflanzenfam. 4(3b): 77. 1891; Shah 495. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 141. 1988; [GEC, 1996].

!**Bacopa monnieri** (L.) Wettst. in Nat. Pflanzenfam. 4(3b): 77. 1891; ** *Bacopa monnieri* (L.) Pennell in Proc. Acad. Nat. Sci. Philadelphia 98(2): 94. 1946; Shah 495. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 142. 1988; [GEC, 1996].

Campylanthus pungens Schwartz in Mitt. Inst. Allg. Bot. Hamburg 10: 245. 1939; [Joshi *et al.*, 2010].

Campylanthus ramosissimus Wight in Icon. Pl. Ind. Orient. 4: t. 1416. 1849; [GEC, 1996].

Dopatrium junceum (Roxb.) Buch. -Ham. ex Benth. in Scroph. Ind. 31. 1835; Shah 496. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 143. 1988; [GEC, 1996].

Kickxia incana (Wall.) Pennell in Acad. Nat. Sci. Philadelphia Monogr. 5: 59. 1943; Shah 497. 1978; Raghavan *et al.* 60. 1981; [GEC, 1996].

Kickxia ramosissima (Wall.) Janch. in Oesterr. Bot. Z. 82: 152. 1933; Shah 498. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 144. 1988; [GEC, 1996].

Limnophila heterophylla (Roxb.) Benth. in Scroph. Ind. 25. 1835; Raghavan *et al.* 61. 1981; [GEC, 1996].

Limnophila indica (L.) Druce in Rep. Bot. Exch. Club Soc. Brit. Isles 3: 420. 1913; Shah 498. 1978; Raghavan *et al.* 61. 1981; Bole & Pathak, 145. 1988; [GEC, 1996].

Limnophila sessiliflora (Vahl) Blume in Bijdr. Fl. Ned. Ind. 14: 749. 1826; Raghavan *et al.* 61.

Mecardonia procumbens (Mill.) Small in Fl. S.E. U.S. 1065. 1903; Shah 503. 1978; Raghavan *et al.* 62. 1981; [GEC, 1996].

!**Plantago afra** L. in Sp. Pl. ed. 2 168 1762; *Plantago psyllium* L. in Sp. Pl. 115. 1753; Shah 582. 1978; Raghavan *et al.* 72. 1981; [GEC, 1996].

Plantago erosa Wall. in Fl. Ind. 1: 423. 1820; [Pandey, 2002].

Plantago exigua Murray in Commentat. Soc. Regiae Sci. Gott. 94. 1778; Raghavan *et al.* 72. 1981; [GEC, 1996].

Plantago ovata Forssk. in Fl. Aegypt.-Arab. 31. 1775; Shah 582. 1978; [GEC, 1996].

Schweinfurthia papilionacea (L.) Merr. in Phil. J. Sc. 19: 380. 1920; Raghavan *et al.* 62. 1981; Bole & Pathak, 149. 1988; [GEC, 1996].

Schweinfurthia pterosperma A. Braun in Sitzungsber. Ges. Naturf. Freunde Berlin 20: 24. 1866; [GEC, 1996].

Schweinfurthia sphaerocarpa A. Braun in Sitzungsber. Ges. Naturf. Freunde Berlin 20: 24. 1866; Shah 504. 1978; [GEC, 1996].

Scoparia dulcis L. in Sp. Pl. 116. 1753; Shah 505. 1978; Raghavan *et al.* 62. 1981; [GEC, 1996].

Stemodia serrata Benth. in Prodr. 10: 381. 1846; Shah 506. 1978; [GEC, 1996].

Stemodia viscosa Roxb. in Pl. Coromandel 2: 33. 1802; Shah 506. 1978; Raghavan *et al.* 62. 1981; Bole & Pathak, 150. 1988; [GEC, 1996].

Veronica anagallis-aquatica L. in Sp. Pl. 1: 12. 1753; Shah 510. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Scrophulariaceae Juss.

Anticharis senegalensis (Walp.) Bhandari in Bull. Bot. Surv. India 6: 327. 1965; [GEC, 1996].

Buddleja asiatica Lour. in Fl. Cochinch. 72. 1790; Shah 434. 1978; Raghavan *et al.* 52. 1981; [GEC, 1996].

Russelia equisetiformis Schltdl. & Cham. in Linnaea 6: 377. 1831; Raghavan *et al.* 62. 1981; Bole & Pathak, 148. 1988; [GEC, 1996].

Sutera dissecta Walp. in Repert. Bot. Syst. 3: 271. 1844; Shah 509. 1978; Raghavan *et al.* 63. 1981; [GEC, 1996].

Verbascum chinense (L.) Santapau in Fl. Purandhar 90. 1958; Shah 510. 1978; Raghavan *et al.* 63. 1981; Bole & Pathak, 153. 1988; [GEC, 1996].

Verbenaceae J. St.-Hil.

Chascanum marrubiifolium Fenzl ex Walp. in Repert. Bot. Syst. 4: 38. 1845; Raghavan *et al.* 69. 1981; [GEC, 1996]; *Bouchea marrubiifolia* (Fenzl ex Walp.) Schauer in Prodr. 11: 558. 1847; [GEC, 1996].

!**Citharexylum spinosum** L. in Sp. Pl. 625. 175;. *Citharexylum subserratum* Sw. in Prodr. Veg. Ind. Occ. 91. 1788; Raghavan *et al.* 69. 1981; [GEC, 1996]; *Citharexylum quadrangulare* Jacq. in Enum. Syst. Pl. 26. 1760; [Trees of Gujarat, 2008].

!**Duranta erecta** L. in Sp. Pl. 637. 1753; *Duranta repens* L. in Sp. Pl. 637. 1753; Shah 559. 1978; Raghavan *et al.* 69. 1981; Bole & Pathak, 201. 1988; [GEC, 1996].

Glandularia peruviana (L.) Small in Man. S.E. Fl. 1139. 1933; *Verbena chamaedryfolia* Juss. in Ann. Mus. Hist. Nat. 7: 73. 1806.

!**Lantana × aculeata** L. in Sp. Pl. 627. 1753; *Lantana camara* var. *aculeata* (L.) Moldenke in Torreya 34: 9. 1934; Shah 561. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 203. 1988; [GEC, 1996].

Lantana indica Roxb. in Fl. Ind. ed. 3: 89. 1832; Raghavan *et al.* 70. 1981.

!**Lantana rugosa** Thunb. in Prodr. Pl. Cap. 98. 1800; *Lantana salviifolia* Jacq. in Pl. Hort. Schoenbr. 3: 18. 1798; Shah 562. 1978; Bole & Pathak, 204. 1981; [GEC, 1996].

Petrea volubilis L. in Sp. Pl. 626. 1753; Raghavan *et al.* 70. 1981; Bole & Pathak, 205. 1988.

Phyla nodiflora (L.) Greene in 4: 46. 1899; Shah 562. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 205. 1988; [GEC, 1996].

Priva cordifolia (L. f.) Druce in Rep. Bot. Soc. Exch. Club Brit. Isles 1916: 641. 1917; Shah 564. 1978; Raghavan *et al.* 70. 1981; Bole & Pathak, 208. 1988; [GEC, 1996].

Stachytarpheta indica (L.) Vahl in Enum. Pl. 1: 206. 1804; Raghavan *et al.* 70. 1981; [GEC, 1996].

Stachytarpheta urticifolia (Salisb.) Sims in Bot. Mag. 43: t. 1848. 1816; Bole & Pathak, 209. 1988.

Convolvulaceae Juss.

Argyreia boseana Sant. & Patel in Trans. Bose Res. Inst. Calcutta 22: 35, t. 3. 1958; [Patel, 2013].

Argyreia cuneata (Wiild.) Ker Gawl. in Bot. Reg. 8: t. 661. 1822; Raghavan *et al.* 55. 1981; [GEC, 1996].

Argyreia nervosa (Burm. f.) Bojer in Hortus Maurit. 224. 1837; Shah 460. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 96. 1988.

Argyreia pilosa Wight & Arn. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18(1): 356c. 1836; Raghavan *et al.* 55. 1981.

Argyreia sericea Dalzell in Bombay Fl. 169. 1861; Shah 460. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 97. 1988; [GEC, 1996].

Argyreia strigosa (Roth) Roberty in Candollea xiv. 44. 1952; Shah 461. 1978; Raghavan *et al.* 55. 1981; [GEC, 1996].

Convolvulus arvensis L. in Sp. Pl. 1: 153. 1753; Shah 461. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 98. 1988; [GEC, 1996].

Convolvulus auricomus (A. Rich.) Bhandari var. **auricomus** in Bull. Bot. Surv. India vi. 327. 1965; Shah 462. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 98. 1988; [GEC, 1996].

Convolvulus auricomus (A. Rich.) Bhandari var. **volubilis** (Clarke) Bhandari in Bull. Bot. Surv. India 6: 327. 1964; Shah 462. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 99. 1988; [GEC, 1996].

Convolvulus deserti Hochst. & Steud. ex Steud. in Nomencl. Bot. ed. 2. 1: 408. 1840; [GEC, 1996].

Convolvulus microphyllus Sieber ex Spreng. in Syst. Veg. 1: 611. 1824; Shah 462. 1978; Raghavan *et al.* 55. 1981; Bole & Pathak, 99. 1988; [GEC, 1996].

!Convolvulus prostratus Forssk. in Fl. Aegypt.-Arab. 203. 1775; *Convolvulus pluricaulis* Choisy in Convolv. Orient. 95. 1834; [GEC, 1996].

Convolvulus rhyniospermus Choisy in Prodr. 9: 405. 1845; Shah 463. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 100. 1988; [GEC, 1996].

Convolvulus rottlerianus Choisy var. **rottlerianus** in Convolv. Orient. 95. 1834; Shah 463. 1978; Bole & Pathak, 100. 1988; [GEC, 1996].

Convolvulus rottlerianus Choisy var. **tenella** Clarke Hook. f. in Fl. Brit. India 4: 209. 1883; Shah 663. 1978; [GEC, 1996].

Convolvulus scindicus Stocks in Hooker's J. Bot. Kew Gard. Misc. 4: 173. 1852; [Parmar, 2006].

Convolvulus stocksii Boiss. in Fl. Orient. 4(1): 110. 1875; Raghavan *et al.* 56. 1981.

Cressa cretica L. in Sp. Pl. 1: 223. 1753; Shah 463. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 103. 1988; [GEC, 1996].

*__Cuscuta campestris__ Yuncker in Mem. Torrey Bot. Club. 18: 138. 1932; [Patel, 2013].

Cuscuta chinensis Lam. var. **chinensis** in Encycl. 2(1): 229. 1786; Shah 481. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 101. 1988; [GEC, 1996].

Cuscuta chinensis Lam. var. **ciliaris** (Hohen. ex Boiss.) Engelm. in Trans. Acad. Sci. St. Louis 1(3): 480. 1859; Raghavan *et al.* 56. 1981; Bole & Pathak, 101. 1988; [GEC, 1996].

Cuscuta hyalina Roth in Nov. PL. in Sp. 100. 1821; Shah 482. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 102. 1988; [GEC, 1996].

Cuscuta reflexa Roxb. in Pl. Coromandel 2: 3, pl. 104. 1798; Shah 482. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 102. 1988; [GEC, 1996].

Evolvulus alsinoides (L.) L. var. **alsinoides** in Sp. Pl. (ed. 2) 1: 392. 1762; Shah 464. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 103. 1988; [GEC, 1996].

Evolvulus alsinoides (L.) L. var. **decumbens** (R. Br.) Ooststr. in Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 14: 38. 1934; Bole & Pathak, 104. 1988.

Evolvulus alsinoides (L.) L. var. **hirsutus** (Lam.) Ooststr. in Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 14: 29. 1934; Bole & Pathak, 105. 1988.

Evolvulus nummularius (L.) L. in Sp. Pl. (ed. 2) 1: 391. 1762; Shah 464. 1978; [GEC, 1996]; *Volvulopsis nummularium* (L.) Roberty in Candollea 14: 28. 1952; Raghavan *et al.* 58. 1981; [GEC, 1996].

!__Hewittia malabarica__ (L.) Suresh in An Interpretation of Van Rheede's Hortus Malabaricus 88. 1988; *Hewittia sublobata* (L. f.) Kuntze in Revis. Gen. Pl. 2: 441. 1891; Shah 464. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 105. 1988; [GEC, 1996].

Ipomoea alba L. in Sp. Pl. 1: 161. 1753; Shah 467. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 107. 1988; [GEC, 1996].

Ipomoea aquatica Forssk. in Fl. Aegypt.-Arab. 44. 1775; Shah 468. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 108. 1988; [GEC, 1996].

Ipomoea arachnosperma Welw. in Apont. 588. 1859; Raghavan *et al.* 56. 1981.

Ipomoea batatas (L.) Lam. in Tabl. Encycl. 1: 465. 1793; Shah 468. 1978; Raghavan *et al.* 56. 1981; [GEC, 1996].

Ipomoea biflora (L.) Pers. in Syn. Pl. 1: 183. 1805; *Ipomoea sinensis* (Desr.) Choisy in Mém. Soc. Phys. Genève 6: 459. 1834; Shah 474. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 115. 1988; [GEC, 1996];

Ipomoea cairica (L.) Sweet subsp. **cairica** in Hort. Brit. 287. 1827; Shah 468. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 109. 1988; [GEC, 1996].

Ipomoea cairica (L.) Sweet var. **indica** Hall. f. in Ann. Ist. Bot. Roma 7 : 231. 1898; [Pandey, 2002].

Ipomoea carnea (L.) Sweet subsp. **fistulosa** (Mart. ex Choisy) D. f. Austin in Taxon 26(2-3): 237. 1977; [Meena, 2004]; *Ipomoea fistulosa* Mart. ex Choisy in Prodr. 9: 349. 1845; Shah 470. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 110. 1988; [GEC, 1996].

Ipomoea coptica (L.) Roth ex Roem. & Schult. in Syst. Veg. 4: 208. 1819; Shah 468. 1978; Raghavan *et al.* 56. 1981; [GEC, 1996].

Ipomoea dichroa Choisy in Prodr. 9:364. 1845; Shah 469. 1978., Bole & Pathak, 108. 1988.

Ipomoea eriocarpa R. Br. in Prodr. 484. 1810; Shah 469. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 110. 1988; [GEC, 1996].

Ipomoea grandifolia (Dammer) O'Donell in Arq. Mus. Paraense. 9: 222. 1952. Ipomoea triloba L. in Sp. Pl. 1: 161. 1753; Shah 475. 1978; Raghavan *et al.* 57. 1981; [GEC, 1996].

Ipomoea hederifolia L. in Syst. Nat. (ed. 10) 925. 1759; Shah 470. 1978; Raghavan *et al.* 56. 1981; [GEC, 1996].

Ipomoea horsfalliae Hook. in Bot. Mag., pl. 3315; [Patel, 2013].

Ipomoea indica (Burm.) Merr. in Interpr. Herb. Amboin. 445. 1917; Raghavan *et al.* 57. 1981; [GEC, 1996].

Ipomoea kotschyana Hochst. ex Choisy in Prodr. 9: 354. 1845; [GEC, 1996].

Ipomoea marginata (Desr.) Verdc. forma **candida** (Naik & Zate) Das Das & Lakshmi. in J. Econ. Tax. Bot. 24: 449. 2000; [Patel, 2013].

Ipomoea marginata (Desr.) Verdc. forma **marginata** in Kew Bull. 42: 658. 1987; [Patel, 2013]; *Ipomoea sepiaria* Koenig ex Roxb. in Fl. Ind. 2: 90. 1824; Shah 473. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 114. 1988; [GEC, 1996].

Ipomoea mauritiana Jacq. in Collectanea 4: 216. 1790; Shah 471. 1978; Raghavan *et al.* 57. 1981; [GEC, 1996];

Ipomoea microphylla Roth in Nov. PL. in Sp. 112. 1821; [GEC, 1996].

Ipomoea nil (L.) Roth var. **himalaica** (Clarke) Johri in Journ. Econ. Tax. Bot. 5: 432. 1984; [Pandey, 2002].

Ipomoea nil (L.) Roth var. **nil** in Catal. Bot. 1: 36. 1797; Shah 471. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 111. 1988; [GEC, 1996].

Ipomoea obscura (L.) Ker Gawl. in Bot. Reg. 3:pl. 239. 1817; Shah 472. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 112. 1988; [GEC, 1996].

Ipomoea pallida Santapau & Patel in Trans. Bose Res. Inst. Calcutta 22:38. 1958; [Patel, 2013]; *Ipomoea sepiaria* J.Koenig ex Roxb. var. *stipulacea* (SW.) C.B.Clarke in Hook. f. Fl. Brit. India 4: 219. 1883; Shah 474. 1978; [GEC, 1996].

Ipomoea pes-caprae (L.) Sweet in Hort. Suburb. Lond. 35. 1818; Shah 472. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 112. 1988; [GEC, 1996].

Ipomoea pes-tigridis L. in Sp. Pl. 1: 162. 1753; Shah 472. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 113. 1988; [GEC, 1996].

Ipomoea plebeia R. Br. subsp. **indica** Verdc. in Kew Bull. 13(2): 200. 1958; [Pandey, 2002].

Ipomoea quamoclit L. in Sp. Pl. 1: 159. 1753; Shah 473. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 113. 1988; [GEC, 1996].

Ipomoea ramosissima (Poir.) Choisy in Prodr. 9: 377. 1845; *Ipomoea dichotoma* (R.&S.) Choisy in Prodr. 9: 383. 1845; Shah 469. 1978; Bole & Pathak, 108. 1988; [GEC, 1996].

Ipomoea rumicifolia Choisy in Mem. Soc. Phys. Geneve 6: 446. 1834; Raghavan *et al.* 57. 1981; [GEC, 1996].

Ipomoea sindica Stapf in Bull. Misc. Inform. Kew 346. 1894; Shah 474. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 115. 1988; [GEC, 1996].

Ipomoea tuberculata Ker Gawl. in Bot. Reg. 1, t. 86. 1816; *Ipomoea dasysperma* Jacq. in Ecl. Pl. Rar. 1(9-10): 32, t. 89. 1816; Shah 469. 1978; Raghavan *et al.* 56. 1981; Bole & Pathak, 109. 1988; [GEC, 1996].

Ipomoea turbinata Lag. in Gen. Sp. Pl. 10. 1816; Raghavan *et al.* 57. 1981; Bole & Pathak, 115. 1988; [GEC, 1996]; *Ipomoea muricata* (L.) Jacq. in Pl. Hort. Schoenbr. 3: 40. 1798; Shah 471. 1978; [GEC, 1996].

Ipomoea vagans Baker in Bull. Misc. Inform. Kew 1894: 70. 1894; Raghavan *et al.* 57. 1981; Bole & Pathak, 116. 1988; [GEC, 1996].

Ipomoea wrightii A. Gray in Syn. Fl. N. Amer. 2(1): 213. 1878; *Ipomoea pulchella* Roth in Nov. PL. in Sp. 115. 1821; Shah 473. 1978; Raghavan *et al.* 57. 1981; [GEC, 1996].

Jacquemontia paniculata (Burm. f.) Hallierf. in Bot. Jahrb. Syst. 16(4-5): 541, in obs. 541. 1893; Shah 475. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 117. 1988; [GEC, 1996].

Jacquemontia pentantha (Jacq.) G. Don in Gen. Hist. 4: 283. 1838; Shah 476. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 117. 1988; [GEC, 1996].

Merremia aegyptia (L.) Urb. in Symb. Antill. 4: 505. 1910; Shah 477. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 118. 1988; [GEC, 1996].

Merremia dissecta (Jacq.) Hallier f. in Bot. Jahrb. Syst. 16(4-5): 552, in obs. 552. 1893; Shah 477. 1978; Raghavan *et al.* 58. 1981; [GEC, 1996].

Merremia gangetica Cufod. in Bull. Jard. Bot. etat Bruxelles 31(Suppl.): 743. 1961; Shah 478. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 119. 1988; [GEC, 1996].

Merremia hederacea (Burm. f.) Hallierf. in Bot. Jahrb. Syst. 18(1-2): 118. 1893; Shah 478. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 119. 1988; [GEC, 1996].

!**Merremia peltata** (L.) Merr. in Interpr. Herb. Amboin. 441. 1917; *Operculina petaloidea* Ooststr. in Blumea 3. 369. 1939; Raghavan *et al.* 58. 1981; [GEC, 1996].

Merremia quinquefolia (L.) Hallierf. in Bot. Jahrb. Syst. 16: 552. 1893; Shah 479. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 120. 1988; [GEC, 1996].

Merremia rajasthanensis Bhandari in J. Bombay Nat. Hist. Soc. 84(3): 645. 1988; [Pandey, 2002].

Merremia rhynchorrhiza (Dalz.) Hallier f. in Bot. Jahrb. Syst. 16: 552. 1893; Shah 479. 1978; Bole & Pathak, 120. 1988.

Merremia tridentata (L.) Hallierf. in Bot. Jahrb. Syst. 16(4-5): 552. 1988. in obs. 552. 1893; Shah 479. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 121. 1988; [GEC, 1996]; ***Merremia tridentata* subsp. *hastata* (Hallierf.) Ooststr. in Blumea 3(2): 317. 1939; Shah 479. 1978; Raghavan *et al.* 58. 1981; [GEC, 1996].

Merremia tuberosa (L.) Rendle in Thist.-Dyer, Fl. Trop. Africa 4: 104. 1905; [Patel, 2013].

Merremia vitifolia (Burm. f.) Hallierf. in Bot. Jahrb. Syst. 16(4-5): 552. 1893; Shah 480. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 121. 1988; [GEC, 1996].

Operculina turpethum (L.) Silva in Manso Enum. Subst. Braz. 16. 1836; Shah 480. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 122. 1988; [GEC, 1996]; *Merremia turpethum* (L.) Shah & Bhatt in Shah , Fl. Gujarat 1: 480. 1978 [GEC, 1996].

Rivea hypocrateriformis Choisy in Mém. Soc. Phys. Genève vi. 408. 1833; Shah 481. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 122. 1988; [GEC, 1996].

Rivia ornata Choisy Convol. in Orient. In Mem. Soc. Phys. Genev. 6: 409. 1833; Raghavan *et al.* 58. 1981; Bole & Pathak, 123. 1988; [GEC, 1996].

Seddera latifolia Hochst. & Steud. in Flora 27, Beil.: 8, t. 5. 8. 1844; Shah 481. 1978; Raghavan *et al.* 58. 1981; Bole & Pathak, 123. 1988; [GEC, 1996].

!Stictocardia tiliifolia (Desr.) Hallier f. in Bot. Jahrb. Syst. 18:159. 1894; *Ipomoea illustris* Prain in Bengal Pl. 2: 735. 1903; Shah 470. 1978; Raghavan *et al.* 57. 1981; Bole & Pathak, 111. 1988; [GEC, 1996].

Hydroleaceae R. Br. ex Edwards

Hydrolea zeylanica (L.) Vahl in Symb. Bot. 2: 46. 1791; Shah 443. 1978; Raghavan *et al.* 53. 1981; [GEC, 1996].

Solanaceae Juss.

Brugmansia suaveolens (Humb. & Bonpl. ex Willd.) Bercht. & J. Presl in Prir. Rostlin 45. 1820; Raghavan *et al.* 58. 1981; Bole & Pathak, 125. 1988; [GEC, 1996].

Capsicum annuum L. var. **acuminatum** Fingerh. in Monogr. Capsic. 13. 1832; Shah 483. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 126. 1988; [GEC, 1996].

Capsicum annuum L. var. **annuum** in Sp. Pl. 188. 1753; Raghavan *et al.* 59. 1981; Bole & Pathak, 125. 1988; [GEC, 1996].

Capsicum frutescens L. in Sp. Pl. 189. 1753; Raghavan *et al.* 59. 1981.

Cestrum diurnum L. in Sp. Pl. 191. 1753; Shah 484. 1978; [GEC, 1996].

Cestrum nocturnum L. in Sp. Pl. 191. 1753; Shah 484. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 126. 1988; [GEC, 1996].

Cestrum parqui (Lam.) L'Hér. in Stirp. Nov. 73. 1788; Raghavan *et al.* 59. 1981; [GEC, 1996].

Datura ferox L. in Demonstr. Pl. 6. 1753; [171, Meena, 2007].

Datura innoxia Mill. in Gard. Dict. (ed. 8) 5. 1768; Shah 485. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 127. 1988; [GEC, 1996].

Datura metel L. var. **metel** in Sp. Pl. 1: 179. 1753; Shah 485. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 128. 1988; [GEC, 1996].

Datura metel L. var. **viola** Pandeya & A. B. Bhatt in Beitr. Biol. Pflanzen 64: 266. 1989; [GEC, 1996].

Datura nanakii Pandeya & A. B. Bhatt in Beitr. Biol. Pflanzen 64: 266. 1989; [GEC, 1996].

Datura stramonium L. in Sp. Pl. 179. 1753; Raghavan *et al.* 59. 1981; [GEC, 1996].

Lycium barbarum L. in Sp. Pl. 192. 1753; Shah 485. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 129. 1988; [GEC, 1996].

Lycium europaeum L. in Sp. Pl. 192. 1753; Raghavan *et al.* 59. 1981; Bole & Pathak, 129. 1988; [GEC, 1996].

!**Lycopersicon esculentum** Mill. in Gard. Dict. (ed. 8) no. 2 no. 2. 1768; *Lycopersicon lycopersicum* (L.) H. Karst. in Deut. Fl. 966. 1882; Shah 486. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 130. 1988; [GEC, 1996].

Nicandra physalodes (L.) Gaertn. in Fruct. Sem. Pl. 2: 237. 1791; Shah 486. 1978; Raghavan *et al.* 59. 1981; [GEC, 1996].

Nicotiana plumbaginifolia Viv. in Elench.pl. 1, 5 26. 1802; Shah 487. 1978; Raghavan *et al.* 59. 1981; [GEC, 1996].

Nicotiana tabacum L. in Sp. Pl. 180. 1753; Shah 487. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 131. 1988; [GEC, 1996].

Petunia integrifolia (Hook.) Schinz & Thell. in Vierteljahrsschr. Naturf. Ges. Zürich 60: 361. 1915; *Petunia violacea* Lindl. in Edwards's Bot. Reg. 19: pl. 1626. 1833; Shah 487. 1978; [GEC, 1996].

*__Physalis angulata__ L. in Sp. Pl. 183. 1753.

Physalis lagascae Roem. & Schult. in Syst. Veg. 4: 679. 1819; *Physalis micrantha* Link in Enum. Hort. Berol. Alt. 1: 181. 1821; [Pandey & Padhye, 2005].

Physalis peruviana L. in Sp. Pl. ed. 2 1670. 1763; Raghavan *et al.* 59. 1981; Bole & Pathak, 132. 1988; [GEC, 1996].

Physalis pruinosa L. in Sp. Pl. 1: 184. 1753; *Physalis maxima* Mill. in Gard. Dict. (ed. 8) no. 15. 1768; [Meena, 2005].

Physalis virginiana Mill. var. **sonorae** (Torr.) Waterf. in Rhodora 60(714): 154. 1958; *Physalis longifolia* Nutt. in Trans. Amer. Philos. Soc., n.s., 5(6[3].): 193-194. 1837; Shah 488. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 131. 1988; [GEC, 1996].

Solanum arundo Mattei in Boll. Ort. Bot. Palermo 7: 188. 1908; Raghavan *et al.* 59. 1981; Bole & Pathak, 134. 1988; [GEC, 1996].

!**Solanum cordatum** Forssk. in Fl. Aegypt.-Arab. 47 47 1775; *Solanum gracilipes* Decne. in Voy. Inde 4(3): 113, pl. 119. 1844; Raghavan *et al.* 59. 1981; Bole & Pathak, 135. 1988; [GEC, 1996].

Solanum dubium Fresen. in Mus. Senckenberg. 1: 166. 1833; Raghavan *et al.* 59. 1981; Bole & Pathak, 135. 1988; [GEC, 1996].

Solanum elaeagnifolium Cav. in Icon. 3: 22-23, pl. 243. 1794; Raghavan *et al.* 59. 1981; [GEC, 1996].

Solanum ferox L. in Sp. Pl. (ed. 2) 1: 267. 1762; [Pandey, 2005].

Solanum forskalii Dunal in Hist. Nat. Solanum 237. 1813; *Solanum albicaule* Kotschy ex Dunal in Prodr. 13(1): 204. 1852; Shah 489. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 134. 1988; [GEC, 1996].

Solanum hovei Dunal in Prodr. 13(1): 311. 1852; Raghavan *et al.* 59. 1981.

Solanum incanum L. in Sp. Pl. 1: 188 188. 1753; Shah 490. 1978; Raghavan *et al.* 59. 1981; Bole & Pathak, 135. 1988; [GEC, 1996].

Solanum melongena L. in Sp. Pl. 1: 186 186. 1753; Shah 490. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 137. 1988; [GEC, 1996].

Solanum nigrum L. in Sp. Pl. 1: 186 186. 1753; Shah 491. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 137. 1988; [GEC, 1996].

Solanum nodiflorum Jacq. in Icon. Pl. Rar. 2: 11, pl. 326. 1786; [GEC, 1996].

Solanum pseudocapsicum L. in Sp. Pl. 1: 184. 1753; [Rajput & Raole, 2009].

Solanum purpureilineatum Sabnis & Bhatt. in Bull. Bot. Surv. India 12(1-4): 258. 1970; Raghavan *et al.* 60. 1981; [GEC, 1996].

*__Solanum retroflexum__ Dunal in Prodr. 13: 50. 1852.

Solanum roxburghii Dunal in Prodr. 13(1): 57. 1852; [GEC, 1996].

Solanum sisymbriifolium Lam. in Tabl. Encycl. 2: 25. 1794; [GEC, 1996].

*__Solanum torvum Sw.__ in Prodr. 47 1788.

Solanum trilobatum L. Verh. in Batav. Genootsch. Kunsten 5: 1 Art. 4: 26. 1790; Shah 491. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 139. 1988; [GEC, 1996].

Solanum tuberosum L. in Sp. Pl. 1: 185. 1753; Shah 492. 1978; Raghavan *et al.* 60. 1981; [GEC, 1996].

Solanum violaceum Ortega in Nov. Pl. Descr. Dec. 56. 1798; Raghavan *et al.* 60. 1981.

Solanum virginianum L. in Sp. Pl. 1: 187. 1753; *Solanum surattense* Burm. f. in Fl. Indica 57. 1768; Shah 491. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 138. 1988; [GEC, 1996].

Withania somnifera (L.) Dunal in Prodr. 13(1): 453. 1852; Shah 492. 1978; Raghavan *et al.* 60. 1981; Bole & Pathak, 139. 1988; [GEC, 1996].

Sphenocleaceae T. Baskerv.

Sphenoclea zeylanica Gaertn. in Fruct. Sem. Pl. 1: 113. 1788; Shah 402. 1978; Raghavan *et al.* . 1981; [GEC, 1996].

Apiaceae Lindl.

Anethum graveolens L. in Sp. Pl. 263. 1753; Shah 340. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

Centella asiatica (L.) Urb. in Fl. Bras. 11(1): 287. 1879; Shah 341. 1978; [GEC, 1996].

Coriandrum sativum L. in Sp. Pl. 256. 1753; Shah 341. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

Cuminum cyminum L. in Sp. Pl. 254. 1753; Shah 342. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

!**Daucus carota** L. var. **sativa** Hoffm. in Deutschl. Fl. 91. 1791; ** *Daucus carota* var. *sativa* DC. in Prodr. 4: 211. 1830; Shah, in Fl. Gujarat. 1: 342. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

Foeniculum vulgare Mill. in Gard. Dict. (ed. 8) 1. 1768; Shah 342. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

Peucedanum grande C. B. Clarke in Fl. Brit. India 2: 710. 1879; Shah 343. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

Pimpinella adscendens Dalzell in Hooker's J. Bot. Kew Gard. Misc. 2: 261. 1850; Shah 343. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

Pimpinella candolleana Wight & Arn. in Prodr. Fl. Ind. Orient. 1: 369. 1834; Shah 344. 1978; [GEC, 1996].

Pimpinella heyneana Wall. ex Kurz in Journ. As. Soc. Bengal 46: 115. 1877; Shah 344. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

Pimpinella tomentosa Dalzell ex C. B. Clarke in Fl. Brit. India 2: 689. 1879; Shah 344. 1978; [GEC, 1996].

Pimpinella wallichiana (Miq.) Gandhi in Fl. Hassan Distr. 417. 1976; [GEC, 1996; Reddy & Inamdar, 1990].

Seseli diffusum (Roxb. ex Sm.) Santapau & Wagh in Bull. Bot. Surv. India 5: 108. 1964; Shah 344. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

Trachyspermum ammi (L.) Sprague in Bull. Misc. Inform. Kew 228. 1929; Shah 345. 1978; [GEC, 1996]; *Trachyspermum copticum* (L.) Link in Enum. Hort. Berol. Alt. 1: 267. 1821; Raghavan *et al.* 40. 1981; [GEC, 1996].

!**Trachyspermum roxburghianum** (DC.) H. Wolff in Pflanzenr. IV 228(Heft 90): 129. 1927; ** *Trachyspermum roxburghianum* (DC.) Craib in Fl. Siam. 1: 788. 1931; Shah 346. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996]; *Trachyspermum stictocarpum* (C.B. Clarke) H. Wolff in Pflanzenr. Umbellif.-Apioid.-Ammin. 89. 1927; Shah 346. 1978; Raghavan *et al.* 40. 1981; [GEC, 1996].

Zosima anethifolia DC. in Prodr. 4: 196. 1830; Shah 346. 1978; [GEC, 1996].

Araliaceae Juss.

Hydrocotyle javanica Thunb. in Hydrocotyle 17. 1798; [GEC, 1996; Patil & Sabnis, 1982].

!**Schefflera actinophylla** (Endl.) Harms in Nat. Pflanzenfam. 3(8): 36. 1894; *Brassaia actinophylla* Endl. in Nov. Stirp. Dec. 1: 89. 1839; [Trees of Gujarat, 2008].

Asteraceae Bercht. & J. Presl

Acanthospermum hispidum DC. in Prodr. 5: 522. 1836; Shah 366. 1978; Raghavan *et al.* 43. 1981; Bole & Pathak, 6. 1988; [GEC, 1996].

!**Acmella calva** (DC.) R. K. Jansen in Syst. Bot. Monogr. 8 41 1985; *Spilanthes calva* DC. in Wight, Contrib. 19. 1834; Shah 395. 1978; [GEC, 1996].

!**Acmella paniculata** (Wall. ex DC.) R. K. Jansen Syst. Bot. Monogr. 8 67 1985; *Spilanthes paniculata* Wall. ex DC. in Prodromus 5. 1836; Raghavan *et al.* 46. 1981; Bole & Pathak, 34. 1988.

Adenostemma lavenia (L.) Kuntze in Rev. Gen. Pl. 1 304. 1891; Shah 367. 1978; Raghavan *et al.* 43. 1981; [GEC, 1996].

Ageratum conyzoides (L.) L. in Sp. Pl. 839. 1753; Shah 367. 1978; Raghavan *et al.* 43. 1981; Bole & Pathak, 6. 1988; [GEC, 1996].

Ageratum houstonianum Mill. in Gard. Dict. (ed. 8) 1768; Raghavan *et al.* 43. 1981.

Anaphalis cutchica C. B. Clarke in Compos. Ind. 111. 1876; Shah 368. 1978; [GEC, 1996].

Artemisia nilagirica (C. B. Clarke) Pamp. in Nuovo Giorn. Bot. Ital. ser. 2. 1981. 33: 452. 1926; [GEC, 1996].

!**Artemisia parviflora** D. Don in Prodr. Fl. Nepal.: 181 (1825) 181 1825; ** *Artemisia parviflora* Buch.-Ham. ex Roxb. in Hort. Bengal. 61; Fl. Ind. 3. 420. 61; Shah 368. 1978; Raghavan *et al.* 43, Bole & Pathak, 7. 1988; [GEC, 1996].

Artemisia scoparia Waldst. & Kitam. in Descr. Icon. Pl. Hung. 1. 1801; Shah 369. 1978; Raghavan *et al.* 43. 1981; [GEC, 1996].

Astragalus nuttallii (Torr. & A. Gray) J. T. Howell in Leafl. W. Bot. 5:107. 1948; *Erigeron asteroides* Roxb. in Hort. Bengal. 61; Fl. Ind. 3. 432. 1832; Shah 380. 1978; Raghavan *et al.* 44. 1981; Bole & Pathak, 17. 1988; [GEC, 1996].

Bidens bipinnata L. in Sp. Pl.: 832. 1753; Shah 369. 1978; Raghavan *et al.* 43. 1981; [GEC, 1996]; *Bidens formosa* (Bonato) Sch.Bip. in Seemann, B. Voy. Herald 307. 1856; Raghavan *et al.* 43. 1981.

Bidens biternata (Lour.) Merr. & Sherff in Bot. Gaz. 88: 293. 1929; Shah 369. 1978; Raghavan *et al.* 43. 1981; Bole & Pathak, 7. 1988; [GEC, 1996].

Blainvillea acmella (L.) Philipson in Blumea 6. 350. 1950; Shah 370. 1978; Raghavan *et al.* 43. 1981; Bole & Pathak, 8. 1988; [GEC, 1996].

!**Blumea axillaris** (Lam.) DC. in Philipp. J. Sci., C 5: 395. 1910; *Blumea solidaginoides* (Poir.) DC. in Prodr. 5: 443. 1836; Raghavan *et al.* 44. 1981; *Blumea mollis* (D.Don) Merr. in Philipp. J. Sci., C 5: 395. 1910; Shah 374. 1978; Bole & Pathak, 9. 1988; [GEC, 1996].

Blumea belangeriana DC. in Prodr. 5: 444. 1836; Shah 371. 1978; Raghavan *et al.* 43. 1981; [GEC, 1996].

Blumea bifoliata (L.) DC. in Contr. Bot. India 14. 1834; Shah 371. 1978; Raghavan *et al.* 43. 1981; [GEC, 1996].

Blumea eriantha DC. in Contr. Bot. India 15. 1834; Shah 372. 1978; Raghavan *et al.* 43. 1981; [GEC, 1996].

Blumea fistulosa (Roxb.) Kurz in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 46(2): 187. 1877; Shah 372. 1978; Raghavan *et al.* 43. 1981; Bole & Pathak, 10. 1988; [GEC, 1996].

Blumea lacera (Burm. f.) DC. in Contributions to the Botany of India 14. 1834; Shah 373. 1978; Raghavan *et al.* 43. 1981; Bole & Pathak, 11. 1988; [GEC, 1996].

Blumea laciniata (Wall. ex Roxb.) DC. in Prodr. 5: 436 (1836) 436. 1836; Shah 373. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Blumea malcolmii (Clarke) Hook. f. in Fl. Brit. India 3: 266. 1881; Shah 373. 1978; Raghavan *et al.* 44. 1981; Bole & Pathak, 11. 1988; [GEC, 1996].

Blumea membranacea DC. in Prodr. 5. 440. 1836; Shah 374. 1978; Raghavan *et al.* 44. 1981; Bole & Pathak, 12. 1988; [GEC, 1996].

Blumea obliqua (L.) Druce in Rep. Bot. Exch. Cl. Brit. Isles 609. 1916; Shah 374. 1978; Raghavan *et al.* 44. 1981; Bole & Pathak, 10. 1988; [GEC, 1996].

Blumea oxyodonta DC. in Contr. Bot. India. 15. 1834; Shah 375. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Blumea virens DC. in Contr. Bot. India 14. 1834; Raghavan *et al.* 44. 1981; [GEC, 1996].

!**Blumea viscosa** (Mill.) V. M. Badillo in Revista Fac. Agron. (Maracay) 7 9. 1974; *Laggera aurita* (L. f.) Sch.Bip. ex Vatke in Oesterr. Bot. Zeitschr. 25 (1875) 325. 1875; Shah 386. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 25. 1988; [GEC, 1996].

!**Blumeopsis falcata** (D. Don) Merr. in J. Arnold Arbor. xix. 70. 1938; *Laggera falcata* (D.Don) Kuntze in Revis. Gen. Pl. 1: 350. 1891; [GEC, 1996].

Blumeopsis flava (DC.) Gagnep. in Bull. Mus. Natl. Hist. Nat. xxvi. 76. 1920.

Caesulia axillaris Roxb. in Pl. Coromandel 1. 64. t. 93. 1759; Shah 375. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Calendula officinalis L. in Sp. Pl. 921. 1753; Raghavan *et al.* 44. 1981.

Centipeda minima (L.) A. Br. & Asch. in Index Sem. App. 6. 1867; Shah 375. 1978; [GEC, 1996].

!**Chromolaena corymbosa** (Aubl.) R. M. King & H. Rob. in Phytologia 20: 200. 1970; *Eupatorium repandum* Willd. in Sp. Pl.. 1981. ed. 4. 3(3): 1767. 1803; Raghavan *et al.* 44. 1981.

Chromolaena odorata (L.) R. M. King & H. Rob. in Phytologia 20(3): 204. 1970; Bole & Pathak, 12. 1988; *Eupatorium odoratum* L. in Syst. Nat.. 1981. ed. 10. 1205. 1759.

!**Chromolaena odorata** (L.) R. M. King & H. Rob. forma **squarrosa** S. Garg in J. Econ. Tax. Bot. 14: 246. 1990; *Eupatorium odoratum* forma. *squarrosum* J. Kost. in Blumea 7. 290. 1952; Shah 381. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Chrysanthellum indicum DC. in Prodr. 5. 631. 1836; Shah 376. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Cichorium endivia L. in Sp. Pl. 813. 1753; [Pandey & Padhye, 1997].

Cichorium intybus L. in Sp. Pl. 813. 1753; Shah 376. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

!**Conyza bonariensis** (L.) Cronquist in Bull. Torrey Club 70. 1943; *Erigeron bonariensis* L. in Sp. Pl. 2: 863. 1753; Shah 380. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

!**Conyza canadensis** (L.) Cronquist in Bull. Torrey Bot. Club 70 632. 1943; *Erigeron canadensis* L. in Sp. Pl. 2: 863. 1753; [Meena, 2004].

Conyza japonica (Thunb.) Less. ex DC. in Prodr. 5 382. 1836; Shah 377. 1978; [GEC, 1996].

Conyza leucantha (D. Don) Ludlow & Raven in Kew Bull. 17: 71. 1963; [GEC, 1996; Patil & Sabnis, 1982].

Conyza stricta Willd. in Sp. Pl., ed. 4 3(3): 1922. 1803; Shah 377. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Coreopsis grandiflora Nutt. ex Chapm. in Fl. South. U.S. 235. 1860.

Coreopsis stillmanii (A. Gray) S. F. Blake in Proc. Amer. Acad. Arts 49. 342. 1913.

Coreopsis tinctoria Nutt. in J. Acad. Nat. Sci. Philadelphia ii. (1821) 114; Shah 377. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Cosmos sulphureus Cav. in Icon. 1(3): 56, pl. 79. 1791; Bole & Pathak, 13. 1988; *Bidens sulphurea* (Cav.) Sch. Bip. in Bot. Voy. Herald 7-8: 308. 1856; Raghavan *et al.* 43. 1981; [GEC, 1996].

Cyanthillium cinereum (L.) H. Rob. in Proc. Biol. Soc. Wash. 103 252. 1990; *Vernonia cinerea* (L.) Less. in Linnaea 4: 291. 1829; Shah 398. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 39. 1988; [GEC, 1996].

Cyathocline purpurea (Buch. -Ham. ex D. Don) Kuntze in Revis. Gen. Pl. 1 333. 1891; Shah 378. 1978; Raghavan *et al.* 44. 1981; Bole & Pathak, 13. 1988; [GEC, 1996].

Dicoma tomentosa Cass. in Bull. Sci. Soc. Philom. Paris 12. 1818; Shah 378. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

!**Doellia bovei** (DC.) Anderb. in Willdenowia 25(1): 21. 1995; *Blumea bovei* (DC.) Vatke in Linnaea 39. 1875; Shah 372. 1978; Raghavan *et al.* 43. 1981; Bole & Pathak, 10. 1988; [GEC, 1996].

Echinops echinatus Roxb. in Hort. Bengal. 62; Fl. Ind. 3. 447. 1832; Shah 378. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Eclipta prostrata (L.) L. in Mant. Pl. 2: 286. 1771; Shah 379. 1978; [GEC, 1996]; *Eclipta alba* (L.) Hassk. in Pl. Jav. Rar. 528; Miq. Fl. Ned. Ind. 2. 65. 1848; Raghavan *et al.* 44. 1981; Bole & Pathak, 15. 1988.

Elephantopus scaber L. in Sp. Pl. 2: 814. 1753; Shah 379. 1978; Raghavan *et al.* 44. 1981; Bole & Pathak, 16. 1988; [GEC, 1996].

Emilia sonchifolia (L.) DC. ex DC. in Wight, Contr. Bot. India 24. 1834; Shah 380. 1978; Bole & Pathak, 16. 1988; [GEC, 1996].

Filago pyramidata L. in Sp. Pl. 2: 1199. 1753; [Pandey, 2005].

Flaveria australasica Hook. in J. Exped. Trop. Australia 118. 1848; Shah 381. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Flaveria trinervia (Spreng.) C. Mohr in Contr. U. S. Natl. Herb. 6: 810. 1901; Raghavan *et al.* 44. 1981; Bole & Pathak, 17. 1988.

!**Glossocardia bidens** (Retz.) Veldkamp in Blumea 35:468 (1991) 468 1991; *Glossogyne bidens* (Retz.) Alston in Trimen. 1988. Hand-Book Fl. Ceylon vi. Suppl., 168. 1931; Shah 382. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 19. 1988; [GEC, 1996].

Glossocardia bosvallia (L. f.) DC. in Wight, Contrib. 19. 1834; Shah 381. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 18. 1988; [GEC, 1996].

Gnaphalium indicum L. in Sp. Pl. 2: 852. 1753; Shah 382. 1978; [GEC, 1996].

Gnaphalium polycaulon Pers. in Syn. Pl. 2: 421. 1807; Raghavan *et al.* 45. 1981; Bole & Pathak, 20. 1988; [GEC, 1996].

!**Gnomophalium pulvinatum** (Delile) Greuter in Willdenowia 33(2): 242. 2003; *Gnaphalium pulvinatum* Delile in Descr. Egypte, Hist. Nat. 266, t. 44. f. 1. 1814; Shah 383. 1978; Raghavan *et al.* 45. 1981; [GEC, 1996].

Goniocaulon indicum (Klein ex Willd.) C. B. Clarke in Compos. Ind. 236. 1876; Shah 383. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 20. 1988; [GEC, 1996].

!**Grangea maderaspatana** (L.) Desf. in Tabl. Ecole Bot. 95. 1804; ** *Grangea maderspatana* (L.) Poir. in Lam. Encycl. Suppl. 2: 825. 1811; Shah 384. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 20. 1988; [GEC, 1996].

Guizotia abyssinica (L. f.) Cass. in Dict. Sci. Nat. 59: 248 (1829) 248 1829; Shah 384. 1978; Raghavan *et al.* 45. 1981; [GEC, 1996].

!**Helianthus × laetiflorus** Pers. in Rhodora lxv. 131 476. 1963; *Helianthus scaberrimus* Elliott in Sketch Bot. S. Carolina 2: 423. 1823; Raghavan *et al.* 45. 1981; [GEC, 1996].

Helianthus annuus L. in Sp. Pl. 2: 904. 1753; Raghavan *et al.* 45. 1981; Bole & Pathak, 21.

Helichrysum cutchicum (C. B. Clarke) R. S. Rao & Deshp. in Bull. Bot. Surv. India x. 227. 1969; Raghavan *et al.* 45. 1981; Bole & Pathak, 22. 1988; [GEC, 1996].

!**Helichrysum luteoalbum** (L.) Rchb. in Handb. Gewächsk., ed. 2. 2(2): 1460. 1829; *Gnaphalium luteoalbum* L. in Sp. Pl. 851. 1753; Shah 383. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 19. 1988; [GEC, 1996].

!**Iphiona grantioides** (Boiss.) Anderb. in Nordic J. Bot. 5(2): 184 1985; *Inula grantioides* Boiss. in Diagn. Pl. Orient. ser. 2, 3: 14. 1856; Raghavan *et al.* 45. 1981; [GEC, 1996].

Lagascea mollis Cav. in Anales Ci. Nat. 6. 1803; Shah 385. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 24. 1988; [GEC, 1996].

Laggera alata (D. Don) Sch. Bip. ex Oliv. in Trans. Linn. Soc. 29(2): 94. 1873; Shah 386. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 25. 1988; [GEC, 1996].

!**Launaea capitata** (Spreng.) Dandy in Fl. Pl. Sudan iii. 40. 1956; *Launaea glomerata* (Cass.) Hook. f. in Fl. Brit. India 3: 417. 1881; Shah 387. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 26. 1988; [GEC, 1996].

!**Launaea intybacea** (Jacq.) Beauverd in Bull. Soc. Bot. Genève, ser. 2, 2: 114. 1910; *Launaea remotiflora* (DC. ex Wight) Amin ex Rech. f. in Fl. Iranica 122: 148. 1977; *Lactuca remotiflora* DC. in Wight, Contrib. 26. 1834; Shah 385. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 24. 1988; [GEC, 1996]; i DC. in Wight, Contrib. 26. 1834; Shah 385. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 23. 1988; [GEC, 1996].

Launaea massauensis (Fresen.) Sch. Bip. ex Kuntze in Man. Fl. Egypt, 2. 1060. 1912; [Pandey, 2002].

Launaea procumbens (Roxb.) Ramayya & Rajagopal in Kew Bull. xxiii. 465. 1969; Shah 387. 1978; Raghavan *et al.* 45. 1981; Bole & Pathak, 28. 1988; [GEC, 1996]; *Launaea fallax* (Jaub. & Spach) Kuntzein Rev. gen. 1: 350. 1891; Raghavan *et al.* 45. 1981; [GEC, 1996].

Launaea resedifolia Druce in Rep. Bot. Exch. Cl. Brit. Isles, 1913, 3. 420. 1914; Shah 388. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 26. 1988; [GEC, 1996].

Launaea sarmentosa (Willd.) Alston in Trimen, Hand-Book Fl. Ceylon vi. Suppl., 173. 1931; Shah 388. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 27. 1988; [GEC, 1996].

Mikania micrantha Kunth in Nov. Gen. Sp. 4(fol.): 105. 1818; [Patel, 2013].

Oligochaeta ramosa Wagenitz in Veröff. Geobot. Inst. ETH Stiftung Rübel Zürich 37: 323. 1962; Raghavan *et al.* 46. 1981; Bole & Pathak, 28. 1988; [GEC, 1996]; Amberboa ramosa (Roxb.) Jafri in Scientist (Karachi) 3: 29, reimpr., in adnot., in obs. 1959; Shah 367. 1978; [GEC, 1996].

Parthenium hysterophorus L. in Sp. Pl. 988. 1753; Shah 388. 1978; Raghavan *et al.* 46. 1981; [GEC, 1996].

Pegolettia senegalensis Cass. in Dict. Sci. Nat., ed. 2. 38: 232. 1825; [Pandey & Padhye, 1997].

!**Pentanema cernuum** (Dalzell) Y. Ling in Acta Phytotax. Sin. x. 180 (1965). 1965; *Vicoa cernua* Dalzell in Dalz. & Gibs. Bomb. Fl. 126. 1861; Shah 399. 1978; Raghavan *et al.* 47. 1981; [GEC, 1996].

!**Pentanema indicum** (L.) Ling in Acta Phytotax. Sin. x. 179 (1965). 1965; *Vicoa indica* (L.) DC. in Wight, Contrib. 10. 1834; Shah 399. 1978; Raghavan *et al.* 47. 1981; [GEC, 1996].

!**Phyllocephalum scabridum** (DC.) K. Kirkman in Rhodora 83(833): 10. 1981; *Centratherum tenue* C.B.Clarke in Compos. Ind. 4. 1876; [Desai, 1992]; *Centratherum phyllolaenum* (DC.) Benth. ex Hook. f. in Fl. Brit. India 3: 228. 1881; Shah 376. 1978; Raghavan *et al.* 44. 1981; [GEC, 1996].

Pluchea arguta Boiss. in Diagn. Pl. Orient. ser. 2, 3: 5. 1856; Shah 389. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 29. 1988; [GEC, 1996].

Pluchea lanceolata (DC.) C. B. Clarke in Compos. Ind. 94. 1876; Shah 389. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 29. 1988; [GEC, 1996].

!**Pluchea ovalis** (Pers.) DC. in Prodr. 5: 450. 1836; *Pluchea tomentosa* DC. in Wight, Contrib. 16. 1834; Shah 390. 1978; Raghavan *et al.* 46. 1981; [GEC, 1996].

Pluchea wallichiana DC. in Prodr. 5: 451. 1836; Shah 390. 1978; Raghavan *et al.* 46. 1981; [GEC, 1996].

!**Pseudognaphalium affine** (D. Don) Anderb. in Opera Bot. 104. 146. 1991; *Gnaphalium luteoalbum* subsp. *affine* (D.Don) J.Kost. in Blumea 4. 484. 1941; [Pandey & Padhye, 2005].

Pseudognoxys chenopodioides (Kunth) Cabrera in Brittonia 7: 56. 1950; [Patel, 2013].

Pulicaria angustifolia DC. in Prodr. 5: 479; Shah 390. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 30. 1988; [GEC, 1996].

Pulicaria crispa Sch. Bip. in Webb & Berth. Phyt. Canar. 2. 223, in syn.; Benth. & Hook. f. Gen. 2. 336; Shah 391. 1978; Raghavan *et al.* 46. 1981; [GEC, 1996].

Pulicaria foliolosa DC. in Prodr. 5: 480. 1836; Shah 391. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 30. 1988; [GEC, 1996].

Pulicaria vulgaris Gaertn. in Fruct. Sem. Pl. 2. 461. t. 173. 1791; Shah 392. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 31. 1988; [GEC, 1996].

Pulicaria wightiana C. B. Clarke in Compos. Ind. 128. 1876; Shah 392. 1978; Raghavan *et al.* 46. 1981; [GEC, 1996].

Sclerocarpus africanus Jacq. in Icon. Pl. Rar. (Jacquin) 1: 17, t. 176. 1781; Shah 392. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 31. 1988; [GEC, 1996].

Senecio dalzellii C. B. Clarke in Compos. Ind. 201. 1876; Shah 392. 1978; Raghavan *et al.* 46. 1981; [GEC, 1996].

Senecio grahamii Hook. f. in Fl. Brit. Ind. 3. 347; Shah 393. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 32. 1988; [GEC, 1996].

Senecio vulgaris L. in Sp. Pl. 867. 1753; Raghavan *et al.* 46. 1981; [GEC, 1996].

Siegesbeckia orientalis L. in Sp. Pl. 900. 1753; Shah 393. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 33. 1988; [GEC, 1996].

Solidago canadensis L. in Sp. Pl. 878. 1753; Raghavan *et al.* 46. 1988.

Sonchus asper (L.) Hill in Herb. Brit. 1: 47. 1769; Shah 394. 1978; Raghavan *et al.* 46. 1981; [GEC, 1996].

Sonchus brachyotus DC. in Prodr. 7(1): 186. 1838; Shah 394. 1978; [GEC, 1996].

Sonchus oleraceus (L.) L. in Sp. Pl. 794. 1753; Shah 394. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 33. 1988; [GEC, 1996].

Sphaeranthus indicus L. in Sp. Pl. 2: 927. 1753; Shah 395. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 34. 1988; [GEC, 1996].

Synedrella nodiflora (L.) Gaertn. in Fruct. Sem. Pl. 2. 456. 1791; Shah 395. 1978; [GEC, 1996].

Tagetes erecta L. in Sp. Pl. 887. 1753; Raghavan *et al.* 46. 1981; [GEC, 1996].

Tagetes patula L. in Sp. Pl. 887. 1753; Shah 396. 1978; Raghavan *et al.* 46. 1981; Bole & Pathak, 35. 1988; [GEC, 1996].

Taraxacum campylodes G.E.Haglund in Nytt Mag. Naturvidensk., Oslo lxxxvi. 56. 1948; *Taraxacum officinale* (L.) Weber ex f. H. Wigg. in Prim. Fl. Holsat. 56. 1780; Raghavan *et al.* 46. 1981; Bole & Pathak, 35. 1988; [GEC, 1996].

!**Thymophylla tenuifolia** (Cass.) Rydb. in N. Amer. Fl. 34 173 1915. *Hymenatherum tenuifolium* Cass. in Dict. Sc. Nat. xxii. 314. 1818; Shah 384. 1978; [GEC, 1996].

Tricholepis amplexicaulis C. B. Clarke in Comp. Ind. 240. 1876; Shah 396. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 36. 1988; [GEC, 1996].

Tricholepis glaberrima DC. in Prodr. 6: 564. 1838; Shah 397. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 36. 1988; [GEC, 1996].

Tricholepis radicans (Roxb.) DC. Prodr. 6: 564. 1838; Shah 397. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 37. 1988; [GEC, 1996].

Tridax procumbens (L.) L. in Sp. Pl. 900. 1753; Shah 397. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 37. 1988; [GEC, 1996].

Vernonia anthelmintica (L.) Willd. in Sp. Pl. 3: 1634. 1803; Shah 398. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 38. 1988; [GEC, 1996].

Vernonia cinerascens Sch. Bip. in Schweinf. Beitr. Fl. Aethiop. 162. 1867; Shah 398. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 39. 1988; [GEC, 1996].

Vernonia divergens (DC.) Edgew. in J. Asiat. Soc. Bengal 21: 172. 1853; Shah 399. 1978; Raghavan *et al.* 47. 1981; [GEC, 1996].

Wedelia urticaefolia (Blume) DC. ex Wight in Contrib. 18. 1834; Shah 400. 1978; Raghavan *et al.* 47. 1981; [GEC, 1996].

Xanthium strumarium L. in Sp. Pl. 987. 1753; Shah 400. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 40. 1988; [GEC, 1996]; *Xanthium pungens* Wallr. in Beitr. Bot. 1. 231. 1842; [Pandey, 2002].

Zinnia elegans Jacq. in Icon. Pl. Rar. 3 t. 589. 1792.

Campanulaceae Juss.

! **Campanula pallida** Wall. in Asiat. Res. 13: 375. 1820; *Campanula colorata* Wall. in Fl. Ind. 2: 101 1824; Shah 401. 1978; [GEC, 1996].

!**Campanula dimorphantha** Schweinf. in Beitr. Fl. Aethiop. 140 1867; *Campanula benthamii* Wall. ex Kitam. in Fl. Afgh. 377. 1960; Raghavan *et al.* 47. 1988.

Lobelia alsinoides Lam. in Encycl. 3: 588. 1792; Shah 403. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 42. 1988; [GEC, 1996].

Lobelia heyneana Schult. in Syst. Veg. 5: 50. 1819; Shah 403. 1978; Raghavan *et al.* 47. 1981; [GEC, 1996].

Lobelia nicotianifolia Roth ex Schult. in Syst. Veg. 5: 47. 1819; Shah 403. 1978; Raghavan *et al.* 47. 1981; [GEC, 1996].

Wahlenbergia marginata (Thunb.) A. DC. in Monogr. Campan. 143. 1830; Shah 402. 1978; [GEC, 1996].

Goodeniaceae R. Br.

Scaevola taccada (Gaertn.) Roxb. in Fl. Ind., ed. 2: 146. 1824; Shah 400. 1978; Raghavan *et al.* 47. 1981; Bole & Pathak, 41. 1988; [GEC, 1996; Trees of Gujarat, 2008].

Pulicaria rajputanae Blatt. & Hollb in J. Bombay Nat. Hist. Soc. xxvi. 535. 1919; [Pandey *et al.*, 2012].

Menyanthaceae Dumort.

Nymphoides cristata (Roxb.) Kuntze in Revis. Gen. Pl. 2: 429. 1891; Shah 441. 1978; Raghavan *et al.* 53. 1981; [GEC, 1996].

Nymphoides indica (L.) Kuntze in Revis. Gen. Pl. 2: 429. 1891; Shah 442. 1978; Raghavan *et al.* 53. 1981; [GEC, 1996].

Nymphoides parvifolia (Griseb.) Kuntze in Revis. Gen. Pl. 2: 429. 1891; Shah 442. 1978; [GEC, 1996].